

Datasheet for ABIN1610751  
**IL12B Protein (AA 23-328) (His tag)**



[Go to Product page](#)

## Overview

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Quantity:                     | 1 mg                                         |
| Target:                       | IL12B                                        |
| Protein Characteristics:      | AA 23-328                                    |
| Origin:                       | White-eyelid mangabey ( <i>Cercocebus</i> )  |
| Source:                       | Yeast                                        |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This IL12B protein is labelled with His tag. |
| Application:                  | ELISA                                        |

## Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence:        | <p>IWELKKDV YVELDWYPD APGEMVVLTC DTPEEDGITW TLDQSGEVLG SGKTLTIQVK</p> <p>EFGDAGQYTC HKGGEALSHS LLLPHKKEDG IWSTDILKDQ KEPKNETFLR CEAKNYSGR</p> <p>TCWWLSTIST DLTFSSIISR GSSNPQGVTC GAATLSAERV RGDNKEYEYS VECQEDSACP</p> <p>AAEERLPIEV MVDIAHKLKY ENYTSSFFIR DIIKPDPPKN LQLKPLKNSR QVEVSWEYPD</p> <p>TWSTPHSYFS LTFCIQVQGK SKREKKDRIF TDKTSATVIC RKNASFSVQA QDRYYSSSWN</p> <p>EWTSVPCS</p> |
| Specificity:     | <i>Cercocebus atys</i> (Sooty mangabey) ( <i>Cercocebus torquatus atys</i> )                                                                                                                                                                                                                                                                                                             |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in <i>E. coli</i> , mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.                                                                                                                                                                                           |
| Purity:          | > 90 %                                                                                                                                                                                                                                                                                                                                                                                   |

## Target Details

|                   |                                                                                                                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | IL12B                                                                                                                                                                                                                                                                                |
| Alternative Name: | Interleukin-12 subunit beta (IL12B) ( <a href="#">IL12B Products</a> )                                                                                                                                                                                                               |
| Background:       | <p>Recommended name: Interleukin-12 subunit beta.</p> <p>Short name= IL-12B.</p> <p>Alternative name(s): Cytotoxic lymphocyte maturation factor 40 kDa subunit.</p> <p>Short name= CLMF p40 IL-12 subunit p40</p>                                                                    |
| UniProt:          | <a href="#">P46658</a>                                                                                                                                                                                                                                                               |
| Pathways:         | <a href="#">JAK-STAT Signaling</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Activated T Cell Proliferation</a> |

## Application Details

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Comment:      | <p>The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.</p> |
| Restrictions: | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Handling

|                  |                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------|
| Format:          | Lyophilized                                                                                         |
| Concentration:   | 0.2-2 mg/mL                                                                                         |
| Buffer:          | Tris-based buffer, 50 % glycerol                                                                    |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage:         | -20 °C                                                                                              |

## Handling

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.