

Datasheet for ABIN1612416

## TPBG Protein (AA 32-361) (His tag)



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### Overview

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Quantity:                     | 1 mg                                        |
| Target:                       | TPBG                                        |
| Protein Characteristics:      | AA 32-361                                   |
| Origin:                       | Rat                                         |
| Source:                       | Yeast                                       |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This TPBG protein is labelled with His tag. |
| Application:                  | ELISA                                       |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence:        | <p>SAPSSSLPS SSTSPAFLA SGSAQPPPAE RCPAAECSE AARTVKCVNR NLLEVPADLP</p> <p>PYVRNLFTG NQMTVLPAGA FARQPPLADL AVLNLSGNHL KEVGAGAFEH LPGLRRDLDS</p> <p>HNPLTNLSAF TFAGSNVSVS TSPPLLELIL NHIVPPEDQR QNGSFEGMVA FEGMVAAALR</p> <p>SGLALRGLHH LELASNHFLY LPRDLLDQLP SLKHLDLRNN SLVSLTYASF RNLTHLESLH</p> <p>LEDNALKVLH NSTLAEWQGL AHVRVFLDNN PWVCD CYMAD MVSWLKETEV VPDKARLTCA</p> <p>FPEKMRNRGL LDLTSSDLDC DATLPQSLQT S</p> |
| Specificity:     | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                             |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.                                                                                                                                                                                                                              |
| Purity:          | > 90 %                                                                                                                                                                                                                                                                                                                                                                                                              |

## Target Details

|             |                                                                                                                                                             |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:     | TPBG                                                                                                                                                        |
| Abstract:   | <a href="#">TPBG Products</a>                                                                                                                               |
| Background: | Recommended name: Trophoblast glycoprotein.<br>Alternative name(s): 5T4 oncofetal trophoblast glycoprotein.<br>Short name= 5T4 oncotrophoblast glycoprotein |
| UniProt:    | <a href="#">Q5PQV5</a>                                                                                                                                      |

## Application Details

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