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Datasheet for ABIN1511669

**GNB1 Protein (AA 1-340) (His tag)**

## Overview

Quantity:	1 mg
Target:	GNB1
Protein Characteristics:	AA 1-340
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GNB1 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	<p>MSELDQLRQE AEQLKNQIRD ARKACADATL AQITANIDPV GRIQMRTRRT LRGLAKIYA</p> <p>MHWGTD SRLLSASQDGKLI IWDSYTTNKV HAIPLRSSWV MTCAYAPSGN YVACGGLDNI</p> <p>CPIYNLKTRE GNVRSRELA GHTGYLSCCR FLDDNQIITS SGDTTCALWD IETGQQTTTF</p> <p>TGHTGDVMSL SLAPDSRCFV SGACDASAKL WDVREGMCRQ TFTGHESDIN AICFFPNGNA</p> <p>FATGSDDATC RLFDLRADQE LMVYSHDNII CGITSVAFSK SGRLLLAGYD DFNCNVWDTL</p> <p>KADRAGVLAG HDNRVSLGV TDDGMAVATG SWDSFLKIWN</p>
Specificity:	Xenopus laevis (African clawed frog)
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:	GNB1
Alternative Name:	Guanine nucleotide-binding protein G (I)/G (S)/G (T) subunit beta-1 ( <a href="#">GNB1 Products</a> )
Background:	Recommended name: Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1. Alternative name(s): Transducin beta chain 1 XGbeta1
UniProt:	<a href="#">P79959</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Phototransduction</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> , <a href="#">SARS-CoV-2 Protein Interactome</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.