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Datasheet for ABIN1474771

## GUCY2F Protein (AA 51-465) (His tag)

### Overview

Quantity:	1 mg
Target:	GUCY2F
Protein Characteristics:	AA 51-465
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GUCY2F protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>LPYKIGVIGP WTCDPFFSKA LPEVAAALAI ERISRDMSFD RSYSFEYVIL NEDCQTSKAL</p> <p>TSFISHQQMA SGFVG PANPG YCEAASLLGN SWDKGIFSWA CVNHELDNKH SYPTFSRTL</p> <p>SPIRVLVTVM KYFQWAHAGV ISSDEDIWVH TANQVSSALR SHGLPVGVL TSGQDSRSIQ</p> <p>KALQQIRQAD RIRIIIMCMH SALIGGETQT HFLELAHDLK MTDGTYVFVP YDVLLYSLPY</p> <p>KHSPYQVLRN NQKLREAYDA VLTITVESHE KTFYEAFTEA AAGGEIPEKL DSHQVSPLFG</p> <p>TIYNSIYFIA QAMSNALKEN GQASAASLTR HSRNMQFYGF NQLIRTDNSG NGISEYVILD</p> <p>TNGKEWELRG TYTVDMETEL LRFRGTPIHF PGG RPTSADA KCWFAQGKIC QGGID</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:	GUCY2F
Alternative Name:	Retinal guanylyl cyclase 2 (Gucy2f) ( <a href="#">GUCY2F Products</a> )
Background:	<p>Recommended name: Retinal guanylyl cyclase 2.</p> <p>Short name= RETGC-2.</p> <p>EC= 4.6.1.2.</p> <p>Alternative name(s): Guanylate cyclase 2F, retinal Guanylate cyclase F.</p> <p>Short name= GC-F Rod outer segment membrane guanylate cyclase 2.</p> <p>Short name= ROS-GC2</p>
UniProt:	<a href="#">P51842</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling, Phototransduction</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.