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Datasheet for ABIN1474769

Gucy2g Protein (AA 44-481) (His tag)

Overview

Quantity:	1 mg
Target:	Gucy2g (GUCY2G)
Protein Characteristics:	AA 44-481
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Gucy2g protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	AKLTVGF HAPWNISHPF SVQRLGAGLQ IAVDKLNSEP VGPGNLSWEF TYTNATCNAK ESLAAFIDQV QREHISVLIG PACPEAAEVI GLLASEWDIP LDFVGMQMTA LEDHFWCDC VTLVPPKQEI GTVLRRESLQY LGWEYIGVFG GSSAGSSWGE VNELWKAVED ELQLHFTITA RVRYSSGHSD LLQEGLRSMS SVARVIILIC SSEDAKHILQ AAEDLGLNSG EFVFLLLQQL EDSFWKEVLA EDKVTRFPKV YESVFLIAPS TYGGSAGDDD FRKQVYQRLR RPPFQSSISS EDQVSPYSAY LHDALLLYAQ TVEEMMKAEK DFRDGRQLIS TLRADQVTLQ GITGPFVLLDA QGKRHMDYSV YALQKSGNGS RFLPFLHYDS FQKVIRPWRD DLNASGPHGS HPEYKPDGCF HEDLCRTKPP TGAGMTASVT A
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.

Product Details

Purity: > 90 %

Target Details

Target: Gucy2g (GUCY2G)

Abstract: [GUCY2G Products](#)

Background: Recommended name: Guanylate cyclase 2G.
EC= 4.6.1.2.
Alternative name(s): Guanylyl cyclase receptor G.
Short name= GC-G Kinase-like domain-containing soluble guanylyl cyclase.
Short name= ksGC

UniProt: [P55205](#)

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

Handling

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