Datasheet for ABIN7584605

GUCY1A1 Protein (AA 1-690) (His tag)

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Overview

Quantity:	100 µg
Target:	GUCY1A1
Protein Characteristics:	AA 1-690
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GUCY1A1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MFCRKFKDLK ITGECPFSLL APGQVPTEPI EEVAGVSESC QATLPTCQEF AENAEGSHPQ RKTSRNRVYL HTLAESIGKL IFPEFERLNL ALQRTLAKHK IKENRNSSEK EDLERIIAEE AIAAGVPVEV LKDSLGEELF KICYEEDEHI LGVVGGTLKD FLNSFSTLLK QSSHCQEAER RGRLEDASIL CLDKDQDFLN VYYFFPKRTT ALLLPGIIKA AARILYESHV EVSLMPPCFR SECTEFVNQP YLLYSVHVKS TKPSLSPGKP QSSLVIPTSL FCKTFPFHFM LDRDLAILQL GNGIRRLVNK RDFQGKPNFE EFFEILTPKI NQTFSGIMTM LNMQFVIRVR RWDNLVKKSS RVMDLKGQMI YIVESSAILF LGSPCVDRLE DFTGRGLYLS DIPIHNALRD VVLIGEQARA QDGLKKRLGK LKATLEHAHQ ALEEEKKKTV DLLCSIFPSE VAQQLWQGQI VQAKKFNEVT MLFSDIVGFT AICSQCSPLQ VITMLNALYT RFDQQCGELD VYKVETIGDA YCVAGGLHRE SDTHAVQIAL MALKMMELSN EVMSPHGEPI KMRIGLHSGS VFAGVVGVKM PRYCLFGNNV TLANKFESCS VPRKINVSPT TYRLLKDCPG FVFTPRSREE LPPNFPSDIP GICHFLDAYQ HQGPNSKPWF QQKDAEDGNA NFLGKASGVD

Product Details

Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	GUCY1A1
Alternative Name:	Guanylate cyclase soluble subunit alpha-3 (Gucy1a3) (GUCY1A1 Products)
Background:	Recommended name: Guanylate cyclase soluble subunit alpha-3. Short name= GCS-alpha-3. EC= 4.6.1.2. Alternative name(s): GCS-alpha-1 Soluble guanylate cyclase large subunit
UniProt:	P19686
Pathways:	Myometrial Relaxation and Contraction

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 modificated 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

Handling

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.