Datasheet for ABIN1461438

GUCY2D Protein (AA 56-466) (His tag)

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Overview

Quantity:	1 mg
Target:	GUCY2D
Protein Characteristics:	AA 56-466
Origin:	Dog
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GUCY2D protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	AVFTV GVLGPWACDP IFARARPDLA ARLAAARLNR DAALEDGPRF EVTLLPEPCR TPGSLGAVSS ALGRVSGLVG PVNPAACRPA ELLAQEAGVA LVPWSCPGTR AGGTTAPAGT PAADALYALL RAFRWARVAL ITAPQDLWVE AGRALSAALR ARGLPVALVT TMEPSDLSGA REALRRVQDG PRVRAVIMVM HSVLLGGEEQ RCLLQAAEEL GLADGSLVFL PFDTLHYALS PGPEALAVLA NSSQLRRAHD AVLILTRHCP PGGSVMDNLR RAQEHQELPS DLDLQQVSPF FGTIYDAVLL LAGGVARARA AAGGGWVSGA TVAHHIPDAQ VPGFCGTLGG AQEPPFVLLD TDAAGDRLFA TYMLDPTRGS LLSAGTPVHF PRGGGTPGSD PSCWFEPGVI CNGGVE
Specificity:	Canis familiaris (Dog) (Canis lupus familiaris)
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:	GUCY2D
Alternative Name:	Retinal guanylyl cyclase 1 (GUCY2D) (GUCY2D Products)
Background:	Recommended name: Retinal guanylyl cyclase 1. Short name= RETGC-1. EC= 4.6.1.2. Alternative name(s): Guanylate cyclase 2D, retinal Guanylate cyclase E. Short name= GC-E Rod outer segment membrane guanylate cyclase. Short name= ROS-GC
UniProt:	O19179
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, Phototransduction

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
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.