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Datasheet for ABIN1662663
GNAI1 Protein (AA 2-354) (His tag)

Overview

Quantity:	1 mg
Target:	GNAI1
Protein Characteristics:	AA 2-354
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GNAI1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	GCTLSAEDK AAVERSKMID RNLREDGEKA AREVKLLLLG AGESGKSTIV KQMKIIHEAG YSEEECKQYK AVVYSNTIQS IIAIIRAMGR LKIDFGDPSR ADDARQLFVL AGAAEEGFMT AELAGVIKRL WKDGGVQACF NRSREYQLND SAAYYLNDLD RIAQNSYIPT QQDVLRTRVK TTGIVETHFT FKDLHFKMFD VGGQRSEKWK WIHCFEGVTA IIFCVALS DY DLVLAEDEEM NRMHESMKLF DSICNNKWFT DTSIILFLNK KDLFEEKIKR SPLTICYPEY PGSNTYEEAA AYIQCFEDL NKRKDTKEIY THFTCATDTK NVQFVFDVAVT DVIKNNLKD CGLF
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:	GNAI1
Alternative Name:	Guanine nucleotide-binding protein G (i) subunit alpha-1 (GNAI1 Products)
Background:	Recommended name: Guanine nucleotide-binding protein G(i) subunit alpha-1. Alternative name(s): Adenylate cyclase-inhibiting G alpha protein
UniProt:	P27044
Pathways:	G-protein mediated Events

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 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.
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.