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Datasheet for ABIN1629563 GNAI2 Protein (AA 2-355) (His tag)

Overview

Quantity:	1 mg
Target:	GNAI2
Protein Characteristics:	AA 2-355
Origin:	Cynomolgus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GNAI2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	GCTVSAEDK AAAERSKMID KNLREDGEKA AREVKLLLLG AGESGKSTIV KQMKIIHEDG YSECKCRQYR AVVYSNTIQS IMAIVKAMGN LQIDFADPSR ADDARQLFAL SCTAEEQGV PDDLSGVIRR LWADHGVQAC FGSRREYQLN DSAAYYLNDL ERIAQSDYIP TQQDVLRTV KTTGIVETHF TFKDLHFKMF DVGGQRSEK KWIHCFEGVT AIIFCVALSA YDLVLAEDDE MNRMHESMKL FDSICNNKWF TDTSIILFLN KKDLFEKIT HSPLTICFPE YTGANKYDEA ASYIQSKFED LNKRKDTKEI YTHFTCATDT KNVQFVFDV TDVIKNNLK DCGLF
Specificity:	Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)
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:	GNAI2
Alternative Name:	Guanine nucleotide-binding protein G (i) subunit alpha-2 (GNAI2) (GNAI2 Products)
Background:	Recommended name: Guanine nucleotide-binding protein G(i) subunit alpha-2. Alternative name(s): Adenylate cyclase-inhibiting G alpha protein
UniProt:	Q4R592
Pathways:	cAMP Metabolic Process , G-protein mediated Events , Thromboxane A2 Receptor Signaling

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.