Datasheet for ABIN1610239

SYT1 Protein (AA 93-428) (His tag)

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Overview

Quantity:	1 mg
Target:	SYT1
Protein Characteristics:	AA 93-428
Origin:	Aplysia californica
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYT1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	RRSCRKRK KKEGKKGLKG AVDLKSVQLL GNSYKEKVQP DLDELPVNME DNEDAESTKS EVKLGKLQFS LDYDFQKGEL SVNVIQAADL PGMDMSGTSD PYVKVYLLPD KKKKYETKVH RKTLNPVFNE SFTFKVPYAE VGSKILTFAV YDFDRFSKHD QIGQVQVPLN SIDLGRVVED WKDLQSPDTE SEKENKLGDI CFSLRYVPTA GKLTVVILEA KNLKKMDVGG LSDPYVKIAL LQGTKRLKKK KTTIKKNTLN PYFNESFGFE VPFEQIQKVT LIITVVDYDR IGTSEPIGRC VLGCNSSGTE LRHWSDMLAN PRRPIAQWHT LQEVPEKN
Specificity:	Aplysia californica (California sea hare)
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:	SYT1
Alternative Name:	Synaptotagmin-1 (SYT1) (SYT1 Products)
Background:	Recommended name: Synaptotagmin-1. Alternative name(s): Synaptotagmin I p65
UniProt:	P41823
Pathways:	Synaptic Vesicle Exocytosis, Dicarboxylic Acid Transport

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