Datasheet for ABIN7587781

TGS1 Protein (AA 1-315) (His tag)

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Overview

Quantity:	100 µg
Target:	TGS1
Protein Characteristics:	AA 1-315
Origin:	Saccharomyces cerevisiae
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGS1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MGRTFIHASK IKHAARKRKH HSNFRTLIKL LNNDAYKIES SKPLKNGKLF KYWKNRRRLF SKIDSASIYM TDELWFSVTP ERIACFLANF VKACMPNAER ILDVFCGGGG NTIQFAMQFP YVYGVDYSIE HIYCTAKNAQ SYGVDDRIWL KRGSWKKLVS KQKLSKIKYD CVFGSPPWGG PEYLRNDVYD LEQHLKPMGI TKMLKSFLKL SPNVIMFLPR NSDLNQLSRA TRKVLGPFAK CKVLYVKENG YMKGIFCMWG ECFFNYEPAS TENSRRESSE KEELSSENEE LSKRKKHEST TTTKDNTVDI YDVNG
Specificity:	Saccharomyces cerevisiae (strain ATCC 204508 / S288c) (Bakers yeast)
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:	TGS1
Alternative Name:	Trimethylguanosine synthase (TGS1) (TGS1 Products)
Background:	Recommended name: Trimethylguanosine synthase. EC= 2.1.1.-. Alternative name(s): Cap-specific guanine-N2 methyltransferase snRNA/snoRNA cap hypermethylase
UniProt:	Q12052
Pathways:	Mitotic G1-G1/S Phases, Regulation of Lipid Metabolism by PPARalpha, Ribonucleoprotein Complex Subunit Organization

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.