Datasheet for ABIN1047056

TSTA3 Protein (AA 1-314, partial) (GST tag)

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Overview

Quantity:	50 µg
Target:	TSTA3
Protein Characteristics:	AA 1-314, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSTA3 protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	MGEPQGSMRI LVTGGSGLVG KAIQKVVADG AGLPGEDWVF VSSKDADLTD TAQTRALFEK VQPTHVIHLA AMVGGLFRNI KYNLDFWRKN VHMNDNVLHS AFEVGARKVV SCLSTCIFPD KTTYPIDETM IHNGPPHNSN FGYSYAKRMI DVQNRAYFQQ YGCTFTAVIP TNVFGPHDNF NIEDGHVLPG LIHKVHLAKS SGSALTVWGT GNPRRQFIYS LDLAQLFIWV LREYNEVEPI ILSVGEEDEV SIKEAAEAVV EAMDFHGEVT FDTTKSDGQF KKTASNSKLR TYLPDFRFTP FKQAVKETCA WFTDNYEQAR K
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:	TSTA3
Alternative Name:	GDP-L-fucose synthase protein (TSTA3 Products)
Background:	Two step NADP-dependent conversion of GDP-4-dehydro-6-deoxy-D-mannose to GDP-fucose, involving an epimerase and a reductase reaction.
Molecular Weight:	63.3 kD
UniProt:	Q13630

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

Publications

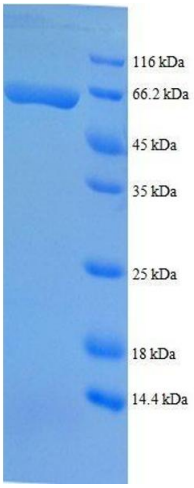
Product cited in:	Dietz, Neibergs, Womack, Kehrli: "Rapid communication: single strand conformational

Publications

polymorphism (SSCP) of bovine tumor necrosis factor alpha." in: **Journal of animal science**, Vol. 75, Issue 9, pp. 2567, (1997) (PubMed).

Mertens, Muriuki, Gaidulis: "Cloning of two members of the TNF-superfamily in cattle: CD40 ligand and tumor necrosis factor alpha." in: **Immunogenetics**, Vol. 42, Issue 5, pp. 430-1, (1995) (PubMed).

Images



SDS-PAGE

Image 1. Tissue Specific Transplantation Antigen P35B (TSTA3) (AA 1-314), (partial) protein (GST tag)