Datasheet for ABIN1462242

TGFB1 Protein (AA 30-278) (His tag)

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Overview

Quantity:	1 mg
Target:	TGFB1
Protein Characteristics:	AA 30-278
Origin:	Horse
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFB1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	L STCKTIDMEL VKRKRIEAIR GQILSKLRLA SPPSQGEVPP GPLPEAVLAL YNSTRAQVAG ESAETEPEPE ADYYAKEVTR VLMVEKENEI YKTVETGSHS IYMFFNTSEL RAAVPDPMLL SRAELRLLRL KLSVEQHVEL YQKYSNNSWR YLSNRLLTPS DSPEWLSFDV TGVVRQWLSQ GGAMEGFRLS AHCSCDSKDN TLRVGINGFS SSRRGDLATI DGMNRPFLLL MATPLERAQQ LHSSRHRR
Specificity:	Equus caballus (Horse)
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:	TGFB1
Alternative Name:	Transforming growth factor beta-1 (TGFB1) (TGFB1 Products)
Background:	Recommended name: Transforming growth factor beta-1. Short name= TGF-beta-1 Cleaved into the following chain: 1. Latency-associated peptide. Short name= 2. LAP
UniProt:	O19011
Pathways:	EGFR Signaling Pathway, Dopaminergic Neurogenesis, Cellular Response to Molecule of Bacterial Origin, Glycosaminoglycan Metabolic Process, Regulation of Leukocyte Mediated Immunity, Regulation of Muscle Cell Differentiation, Positive Regulation of Immune Effector Process, Cell-Cell Junction Organization, Production of Molecular Mediator of Immune Response, Ribonucleoside Biosynthetic Process, Skeletal Muscle Fiber Development, Regulation of Carbohydrate Metabolic Process, Protein targeting to Nucleus, Autophagy, Cancer Immune Checkpoints

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

Handling

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.