Datasheet for ABIN1646842

TXNRD1 Protein (AA 1-499) (His tag)

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Overview

Quantity:	1 mg
Target:	TXNRD1
Protein Characteristics:	AA 1-499
Origin:	Pig
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This TXNRD1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MNGAEELPEM YDYDLIIIGG GSGGLAAAKE AARFNKRVMV LDFVTPTPLG TRWGLGGTCV NVSCIPKKLM HQAALLGQAL RDSRNYGWNV EETIKHDWER MTEAVQNHIG SLNWGYRVAL REKKVTYENA YGQFVGPHRI KATNNKGKEK IYSAEKFLIA TGERPRYLGI PGDKEYCISS DDLFSLPYCP GKTLVVGASY VALECAGFLA GIGLDVTVMV RSILLRGFDQ DMANKIGEHM EEHGIKFIRQ FVPIKVEQIE AGTPGRLRVV AQSTNSEEII EGEYNTVMLA IGRDACTRKI GLETVGVKIN EKTGKIPVTD EEQTNVPYIY AIGDILEDKV ELTPVAIQAG RLLAQRLYAG STVKCDYENV PTTVFTPLEY GACGLSEEKA VEKFGEENIE VYHSYFWPLE WTIPSRDNNK CYAKIICNTK DNERVVGFHV LGPNAGEVTQ GFAAALKCGL TKKQLDSTIG IHPVCAEVFT TLSVTKRSGA SILQAGCUG
Specificity:	Sus scrofa (Pig)
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.

Product Details

Purity:	> 90 %

Target Details

Target:	TXNRD1
Alternative Name:	Thioredoxin reductase 1, cytoplasmic (TXNRD1) (TXNRD1 Products)
Background:	Recommended name: Thioredoxin reductase 1, cytoplasmic. Short name= TR. EC= 1.8.1.9. Alternative name(s): Thioredoxin reductase TR1
UniProt:	Q9MYY8
Pathways:	Regulation of Lipid Metabolism by PPARalpha, Regulation of Carbohydrate Metabolic Process, Cell RedoxHomeostasis

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

Handling

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