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L-Ascorbate Peroxidase 2 (APX2) (AA 1-251) protein (His tag)



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Quantity:	1 mg	
Target:	L-Ascorbate Peroxidase 2 (APX2)	
Protein Characteristics:	AA 1-251	
Origin:	Oryza sativa	
Source:	Yeast	
Protein Type:	Recombinant	
Purification tag / Conjugate:	His tag	
Application:	ELISA	
Product Details		
Sequence:	MGSKSYPTVS DEYLAAVGKA KRKLRGLIAE KNCAPLMLRL AWHSAGTFDV SSRTGGPFGT	
	MKNPGEQSHA ANAGLDIAVR LLDPIKDQLP ILSYADFYQL AGVVAVEVTG GPEVPFHPGR	
	QDKPEPPPEG RLPDATQGSD HLRQVFSAQM GLSDKDIVAL SGGHTLGRCH KERSGFEGAW	
	TSNPLIFDNS YFTELVSGEK EGLLQLPSDK ALMADPAFRP LVEKYAADED AFFADYAEAH	
	LKLSELGFAE E	
Specificity:	Oryza sativa subsp. japonica (Rice)	
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalier	
	cells or by baculovirus infection. Be aware about differences in price and lead time.	
Purity:	> 90 %	

Target Details

Target:	L-Ascorbate Peroxidase 2 (APX2)	
Alternative Name:	L-ascorbate peroxidase 2, cytosolic (APX2) (APX2 Products)	
Background:	Recommended name: L-ascorbate peroxidase 2, cytosolic. EC= 1.11.1.11. Alternative name(s): APXb OsAPx02	
UniProt:	Q9FE01	

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.	