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Datasheet for ABIN1474415 **IDH3G Protein (AA 40-393) (His tag)**

Overview

Quantity:	1 mg
Target:	IDH3G
Protein Characteristics:	AA 40-393
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This IDH3G protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	S SQQTIPPSAK YGGRHTVTMI PGDGIGPELM LHVKSVFRHA CVPVDFEEVH VSSNADEEDI RNAIMAIRRN RVALKGNIET NHDLPESHKS RNNILRTSLD LYANVIHCKS LPGVVTRHKD IDILIVRENT EGEYSSLEHE SVAGVVESLK IITKAKSLRI AEYAFKLAQE SGRKKVTAVH KANIMKLGDG LFLQCCREVA ARYPQITFDS MIVDNTTMQL VSRPQQFDVM VMPNLYGNIV NNVCAGLVGG PGLVAGANYG HVYAVFETAT RNTGKSIANK NIANPTATLL ASCMMLDHLK LHSYATSIRK AVLASMDNEN MHTPDIGGQG TTSQAIQDII RHIRIINGRA VEA
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	IDH3G
Alternative Name:	Isocitrate dehydrogenase [NAD] subunit gamma 1, mitochondrial (Idh3g) (IDH3G Products)
Background:	Recommended name: Isocitrate dehydrogenase [NAD] subunit gamma 1, mitochondrial. EC= 1.1.1.41. Alternative name(s): Isocitric dehydrogenase subunit gamma NAD(+)-specific ICDH subunit gamma
UniProt:	P41565

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 modified 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.