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Datasheet for ABIN1593247

ALKBH1 Protein (AA 1-302) (His tag)

Overview

Quantity:	1 mg
Target:	ALKBH1
Protein Characteristics:	AA 1-302
Origin:	Schizosaccharomyces pombe
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALKBH1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MLAGNMEQAN VFRLEEKRYK CRADTIPDMS EVLDPNDPQS FGFEALVEIK PRVFSFQKAP</p> <p>GLLILKNYVS SELQMQLLKS IMFTQIQDPE NKTNLSPFYQ LPLGNDSIWR RYNGDGESI</p> <p>IDGLGETKPL TVDRLVHKKL RWVTLGEQYD WTTKEYPDPS KSPGFPKDLG DFVEKVVKES</p> <p>TDFLHWKAEA AIVNFYSPGD TLSAHIDese EDLTLPLISL SMGLDCIYLI GTESRSEKPS</p> <p>ALRLHSGDVV IMTGTSRKAF HAVPKIIPNS TPNYLLTGnk AWDGWISRKR VNFNVRQVRP SR</p>
Specificity:	Schizosaccharomyces pombe (strain 972 / ATCC 24843) (Fission yeast)
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:	ALKBH1
Alternative Name:	Alpha-ketoglutarate-dependent dioxygenase abh1 (abh1) (ALKBH1 Products)
Background:	Recommended name: Alpha-ketoglutarate-dependent dioxygenase abh1. EC= 1.14.11.-. Alternative name(s): Alkylated DNA repair protein alkB homolog
UniProt:	O60066
Pathways:	DNA Damage Repair

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.