Recombinant Arabidopsis Thaliana HDT2 Protein (1-306 aa), His-Myc-tagged

Cat. No. HDT2-2147A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Arabidopsis Thaliana (Mouse-ear cress) HDT2 Protein (1-306 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length.
Species	Arabidopsis Thaliana
Source	E.coli
ProteinLength	1-306 aa
Description	Probably mediates the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events.
Form	Tris-based buffer,50% glycerol
Molecular Mass	37.3 kDa
AA Sequence	MEFWGVAVTPKNATKVTPEEDSLVHISQASLDCTVKSGESVVLSVTVGGAKLVIGTL SQDKFPQISFDLVFDKEFELSHSGTKANVHFIGYKSPNIEQDDFTSSDDEDVPEAVP APAPTAVTANGNAGAAVVKADTKPKAKPAEVKPAEEKPESDEEDESDDEDESEEDD DSEKGMDVDEDDSDDDEEEDSEDEEEEETPKKPEPINKKRPNESVSKTPVSGKKAK PAAAPASTPQKTEEKKKGGHTATPHPAKKGGKSPVNANQSPKSGGQSSGGNNNK

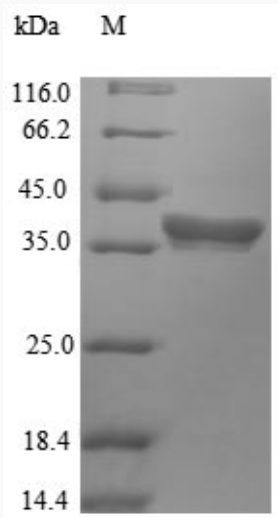
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	KPFNSGKQFGGSNNKGSNKGKGKGRA
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	HD2B histone deacetylase 2B [Arabidopsis thaliana (thale cress)]
Official Symbol	HDT2
Synonyms	HDT2; HD-tuins protein 2; ATHD2; ATHD2B; HD2; HDA4; HDT02; HDT2; HISTONE DEACETYLASE; histone deacetylase 2B; MDJ22.7; MDJ22_7;
Gene ID	832328
mRNA Refseq	NM_180725
Protein Refseq	NP_851056
UniProt ID	Q56WH4

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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