

Recombinant Arabidopsis Thaliana HOT5 Protein (2-379 aa), His-SUMO-tagged

Cat. No. HOT5-2093A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Arabidopsis Thaliana (Mouse-ear cress) HOT5 Protein (2-379 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Arabidopsis Thaliana
Source	E.coli
ProteinLength	2-379 aa
Description	Plays a central role in formaldehyde detoxification.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	56.6 kDa
AA Sequence	ATQGQVITCKAAVAYEPNKPLVIEDVQVAPPQAGEVRIKILYTALCHTDAYTWSGKDP EGLFPCILGHEAAGIVESVGEGVTEVQAGDHVIPCYQAECRECKFCKSGKTNLCGKV RSATGVGIMMNDRKSRFSVNGKPIYHFMGTSTFSQYTVVHDVSVAKIDPTAPLDKVC LLGCGVPTGLGAVWNTAKVEPGSNVAIFGLGTVGLAVAEGAKTAGASRIIGIDIDSKK YETAKKFGVNEFVNPKDHDKPIQEVIVDLTDGGVDYSFECIGNVSVMRAALECCHKG WGTSVIVGVAASGQEISTRPFQLVTGRVWKGTAFGGFKSRTQVPWLVEKYMNKEIK VDEYITHNLTLGEINKAFDLLHEGTCLRCVLDTSK

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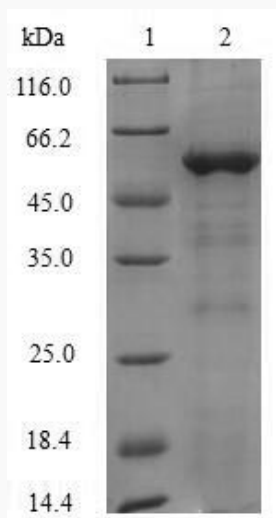
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage 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	HOT5 GroES-like zinc-binding dehydrogenase family protein [<i>Arabidopsis thaliana</i> (thale cress)]
Official Symbol	HOT5
Synonyms	ADH2; ALCOHOL DEHYDROGENASE 2; ATGSNOR1; FALDH; GLUTATHIONE-DEPENDENT FORMALDEHYDE DEHYDROGENASE; GSNOR; MRH10.4; MRH10_4; PAR2; PARAQUAT RESISTANT 2; S-NITROSOGLUTATHIONE REDUCTASE;
Gene ID	834417
mRNA Refseq	NM_123761
Protein Refseq	NP_199207
UniProt ID	Q96533

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

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