

Recombinant Human HOPX Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HOPX-1686H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HOPX MS Standard C13 and N15-labeled recombinant protein (NP_631958) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a homeodomain protein that lacks certain conserved residues required for DNA binding. It was reported that choriocarcinoma cell lines and tissues failed to express this gene, which suggested the possible involvement of this gene in malignant conversion of placental trophoblasts. Studies in mice suggest that this protein may interact with serum response factor (SRF) and modulate SRF-dependent cardiac-specific gene expression and cardiac development. Multiple alternatively spliced transcript variants have been identified for this gene.
Molecular Mass	8.1 kDa
AA Sequence	MSAETASGPTEDQVEILEYNFNKVDKHPDSTTLCLIAAEAGLSEEETQKWFKQRLAK WRRSEGLPSECRSVTDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	HOPX HOP homeobox [Homo sapiens (human)]
Official Symbol	HOPX
Synonyms	HOPX; HOP homeobox; homeodomain-only protein; homeobox only domain; HOP; LAGY; NECC1; OB1; SMAP31; odd homeobox 1 protein; odd homeobox protein 1; lung cancer-associated Y protein; not expressed in choriocarcinoma clone 1; not expressed in choriocarcinoma protein 1; HOD; TOTO; CAMEO; MGC20820;
Gene ID	84525
mRNA Refseq	NM_139212
Protein Refseq	NP_631958
MIM	607275
UniProt ID	Q9BPY8