

Recombinant Human HOPX, GST-tagged

Cat. No. HOPX-13885H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOPX protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-73a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	HOPX HOP homeobox [Homo sapiens]
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_001145459
Protein Refseq	NP_001138931
MIM	607275
UniProt ID	Q9BPY8
Chromosome Location	4q12
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;