

Product datasheet for PH322903

HOPX (NM_139212) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HOPX MS Standard C13 and N15-labeled recombinant protein (NP_631958)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222903
Predicted MW:	8.1 kDa
Protein Sequence:	>RC222903 representing NM_139212 Red=Cloning site Green=Tags(s) MSAETASGPTEDQVEILEYFNKVDKHPDSTTLCLIAAEAGLSEEETQKWFQRLAKWRRSEGLPSECRS VTD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_631958
RefSeq Size:	1116
RefSeq ORF:	219
Synonyms:	CAMEO; HOD; HOP; LAGY; NECC1; OB1; SMAP31; TOTO
Locus ID:	84525
UniProt ID:	Q9BPY8
Cytogenetics:	4q12



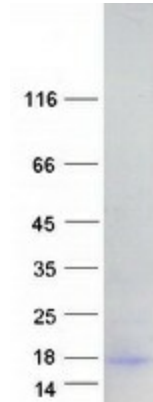
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Summary:

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. [provided by RefSeq, Feb 2009]

Protein Families:

Transcription Factors

Product images:

Coomassie blue staining of purified HOPX protein (Cat# [TP322903]). The protein was produced from HEK293T cells transfected with HOPX cDNA clone (Cat# [RC222903]) using MegaTran 2.0 (Cat# [TT210002]).