

## Product datasheet for TP322859M

#### OriGene Technologies, Inc.

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### HOPX (NM\_032495) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human HOP homeobox (HOPX), transcript variant 1, 100 μg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC222859 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MSAETASGPTEDQVEILEYNFNKVDKHPDSTTLCLIAAEAGLSEEETQKWFKQRLAKWRRSEGLPSECRS

VID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 8.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** NP 115884

 Locus ID:
 84525

 UniProt ID:
 Q9BPY8

 RefSeq Size:
 1552

 Cytogenetics:
 4q12



#### HOPX (NM\_032495) Human Recombinant Protein - TP322859M

RefSeq ORF: 219

Synonyms: CAMEO; HOD; HOP; LAGY; NECC1; OB1; SMAP31; TOTO

**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

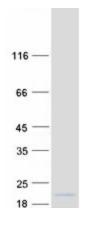
failed to express this gene, which suggested the possible involvement of this gene in

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# [TP322859]). The protein was produced from HEK293T cells transfected with HOPX cDNA clone (Cat# [RC222859]) using MegaTran 2.0 (Cat# [TT210002]).