

## Product datasheet for **AR50463PU-N**

### Homeodomain-only protein / HOP (1-73, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Homeodomain-only protein / HOP (1-73, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMSAETA SGPTEDQVEI LEYNFNKVDK HPDSTTLCLI AAEAGLSEEE TQKWFKQLA KWRRSEGLPS ECRSVTD
Tag:	His-tag
Predicted MW:	10.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HOPX protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001138931</a>
Locus ID:	84525
UniProt ID:	<a href="#">Q9BPY8</a>
Cytogenetics:	4q12
Synonyms:	CAMEO; HOD; HOP; LAGY; NECC1; OB1; SMAP31; TOTO



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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:**