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# Product datasheet for AR50463PU-S

## 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, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMSAETA SGPTEDQVEI LEYNFNKVDK HPDSTTLCLI AAEAGLSEEE TQKWFKQRLA 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:	<u>NP 001138931</u>
Locus ID:	84525
UniProt ID:	Q9BPY8
Cytogenetics:	4q12
Synonyms:	CAMEO; HOD; HOP; LAGY; NECC1; OB1; SMAP31; TOTO



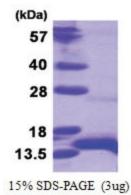
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#### Source Protein - AR50463PU-S Homeodomain-only protein / HOP (1-73, His-tag) Human Protein - AR50463PU-S

Summary:The protein encoded by this gene is a homeodomain protein that lacks certain conserved<br/>residues required for DNA binding. It was reported that choriocarcinoma cell lines and tissues<br/>failed to express this gene, which suggested the possible involvement of this gene in<br/>malignant conversion of placental trophoblasts. Studies in mice suggest that this protein may<br/>interact with serum response factor (SRF) and modulate SRF-dependent cardiac-specific gene<br/>expression and cardiac development. Multiple alternatively spliced transcript variants have<br/>been identified for this gene. [provided by RefSeq, Feb 2009]

Protein Families: Transcription Factors

#### **Product images:**



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