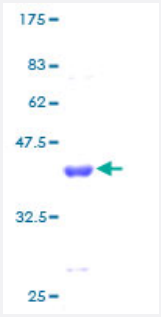
Full-Length

HOP (Human) Recombinant Protein (P01)

Catalog # H00084525-P01 Size 10 ug, 25 ug

Applications



Specification

Product Description	Human HOP full-length ORF (AAH14225, 1 a.a. - 73 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSAETASGPTEDQVEILEYNFNKVDKHPDSTTLCLIAAEAGLSEEETQKWFKQRLAKWRRSEGLPSECRSVID
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.77
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HOPX

Entrez GeneID	84525
GeneBank Accession#	BC014225
Protein Accession#	AAH14225
Gene Name	HOPX
Gene Alias	Cameo, HOP, LAGY, MGC20820, NECC1, OB1, SMAP31, Toto
Gene Description	HOP homeobox
Omim ID	607275
Gene Ontology	Hyperlink
Gene 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
Other Designations	OTTHUMP00000158970|heart odd homeobox 1 protein|homeodomain-only protein|lung cancer-associated Y protein|not expressed in choriocarcinoma clone 1