

## 32-3988: HOPX Recombinant Protein

**Alternative Name :** Homeodomain-only protein,Lung cancer-associated Y protein,Not expressed in choriocarcinoma protein 1,Odd homeobox protein 1,HOPX,HOD,HOP,LAGY,NECC1,OB1,TOTO,CAMEO,SMAP31.

### Description

Source : Escherichia Coli. HOPX Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 97 amino acids (1-73 a.a) and having a molecular mass of 10.8kDa.HOPX is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Homeodomain-only protein (HOPX) functions via its interaction with SRF, thus modulating the expression of SRF-dependent cardiac-specific genes and cardiac development. HOPX inhibits SRF-dependent transcription either by hindering SRF binding to DNA or by engaging histone deacetylase (HDAC) proteins which prevent transcription by SRF. HOPX is a homeodomain protein which lacks certain conserved residues required for DNA binding. HOPX overexpression causes cardiac hypertrophy.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** HOPX protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSMSAETA SGPTEDQVEI LEYNFNKVDK HPDSTTLCLI AAEAGLSEEE TQKWFQRLA KWRRSEGLPS ECRSVTD.

