

Recombinant Human PROX1 Protein, His-tagged

Cat. No. PROX1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROX1 Protein with a His tag was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the homeobox transcription factor family. Members of this family contain a homeobox domain that consists of a 60-amino acid helix-turn-helix structure that binds DNA and RNA. The protein encoded by this gene is conserved across vertebrates and may play an essential role during development. Altered levels of this protein have been reported in cancers of different organs, such as colon, brain, blood, breast, pancreas, liver and esophagus. Alternative splicing results in multiple transcript variants.
Molecular Mass	19.9 kDa
AA Sequence	QEGLSPNHLKKAKLMFFYTRYPPSSNMLKTYFSDVKFNRCITSQLIKWFSNFREFYYIQ MEKYARQAINDGVTSTEELSITRDCELYRALNMHYNKANDFEVPERFLEVAQITLREF FNIIAGKDVDPSPWKKAIYKVICKLDSEVPEIFKSPNCLQELLHEHHHHHH
Endotoxin	< 1 EU/μg
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.1 mg/mL

Storage Buffer PBS, pH 7.4.

GENE INFORMATION

Gene Name PROX1 prospero homeobox 1 [Homo sapiens (human)]

Official Symbol PROX1

Synonyms PROX1; prospero homeobox 1;

Gene ID 5629

mRNA Refseq NM_002763

Protein Refseq NP_002754

MIM 601546

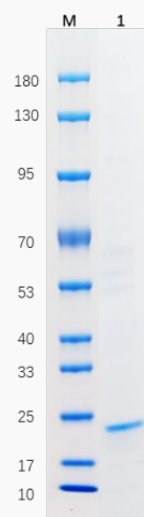
UniProt ID Q92786

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SDS-PAGE



Reducing 12% SDS-PAGE and WB analysis profiles of purified PROX1.



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