

# Recombinant Human PROX1

**Cat. No.** PROX1-30591TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, Human PROX1 C-terminal (547-737aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	191 amino acids
<b>Description</b>	Prospero homeobox protein 1 is a protein that in humans is encoded by the PROX1 gene.
<b>Molecular Weight</b>	22.400kDa
<b>Tissue specificity</b>	Most actively expressed in the developing lens. Detected also in embryonic brain, lung, liver and kidney. In adult, it is more abundant in heart and liver than in brain, skeletal muscle, kidney and pancreas.
<b>Form</b>	Lyophilised:Reconstitute in water to a concentration of 0.1-1.0mg/ml. This solution can then be diluted into other aqueous buffers.
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: PBS
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

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freeze / thaw cycles.

**Sequence Similarities** Belongs to the Prospero homeobox family. Contains 1 Prospero-type homeobox DNA-binding domain.

## GENE INFORMATION

**Gene Name** PROX1 prospero homeobox 1 [ Homo sapiens ]

**Official Symbol** PROX1

**Synonyms** PROX1; prospero homeobox 1; prospero related homeobox 1; prospero homeobox protein 1;

**Gene ID** 5629

**mRNA Refseq** NM\_002763

**Protein Refseq** NP\_002754

**MIM** 601546

**Uniprot ID** Q92786

**Chromosome Location** 1q41

**Function** DBD domain binding; DNA binding; LBD domain binding; ligand-dependent nuclear receptor binding; protein binding;

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