

PROX1

Recombinant Human Prospero Homeobox Protein 1 (Fragment)

Catalog No.	CRP026	Quantity:	20 µg
Alternate Names:	Prox-1		
Description:	Prox-1 is a homeobox gene and acts as a master switch for lymphatic endothelial phenotype. Expression of Prox-1 in blood endothelial cells induces expression of other lymphatic marker genes. Together with Podoplanin, Prox-1 can be used to reliably distinguish lymphatic vessels from blood vessels. Prox1 is expressed in CNS, eye, pancreas, liver and heart, and it is one of the most specific and reliable markers for lymphatic endothelial cells. The highly conserved C-terminal part of the homeobox transcription factor Prox1 was produced in <i>E. coli</i> . It was not tested for activity and can be used as positive control e.g. in Western analysis.		
UniProt ID:	Q92786		
Gene ID:	5629		
Source:	<i>E. coli</i>		
Molecular Weight:	22.35 kDa		
Formulation:	Lyophilized from PBS		
Purity:	> 95% by SDS-PAGE visualized with silver stain		
Endotoxin Level:	< 1 EU/µg		
Biological Activity:	Not tested		
Amino Acid Sequence:	aa23 to aa130		
Reconstitution:	Centrifuge vial prior to opening. Add PBS or medium to the vial to fully solubilize the protein to a concentration ≥ 100 µg/ml. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein such as 0.1% BSA and store in working aliquots at -20°C to -80°C.		
Application:	May be used as a control for western blot analysis		
Storage & Stability:	Lyophilized protein is stable for 1 year at -20°C to -80°C. Store reconstituted protein in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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