



Human PROX1 peptide (DAG-P1921)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2012]
Specificity	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.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the Prospero homeobox family. Contains 1 Prospero-type homeobox DNA-binding domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PROX1 prospero homeobox 1 [Homo sapiens (human)]
Official Symbol	PROX1
Synonyms	PROX1; prospero homeobox 1; prospero homeobox protein 1; prospero-related homeobox 1;

homeobox prospero-like protein PROX1;

Entrez Gene ID	5629
mRNA Refseq	NM_001270616.1
Protein Refseq	NP_001257545.1
UniProt ID	Q92786
Chromosome Location	1q41
Function	DBD domain binding; DNA binding; LBD domain binding; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; ligand-dependent nuclear receptor binding; protein binding; sequence-specific DNA binding; sequence-specifi