Recombinant Full Length Human PXDN Protein, C-Flag-tagged

Cat. No. PXDN-280HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PXDN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a heme-containing peroxidase that is secreted into the extracellular matrix. It is involved in extracellular matrix formation, and may function in the physiological and pathological fibrogenic response in fibrotic kidney. Mutations in this gene cause corneal opacification and other ocular anomalies, and also microphthalmia and anterior segment dysgenesis.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	165.1 kDa
AA Sequence	MAKRSRGPGRRCLLALVLFCAWGTLAVVAQKPGAGCPSRCLCFRTTVRCMHLLLE AVPAVAPQTSILDLR FNRIREIQPGAFRRLRNLNTLLLNNNQIKRIPSGAFEDLENLKY LYLYKNEIQSIDRQAFKGLASLEQLY LHFNQIETLDPDSFQHLPKLERLFLHNNRITHL VPGTFNHLESMKRLRLDSNTLHCDCEILWLADLLKTY AESGNAQAAAICEYPRRIQG RSVATITPEELNCERPRITSEPQDADVTSGNTVYFTCRAEGNPKPEIIWL RNNNELS MKTDSRLNLLDDGTLMIQNTQETDQGIYQCMAKNVAGEVKTQEVTLRYFGSPARPT FVIQPQN TEVLVGESVTLECSATGHPPPRISWTRGDRTPLPVDPRVNITPSGGLYIQ NVVQGDSGEYACSATNNIDS VHATAFIIVQALPQFTVTPQDRVVIEGQTVDFQCEAK

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	GNPPPVIAWTKGGSQLSVDRRHLVLSSGTLRIS GVALHDQGQYECQAVNIIGSQKV VAHLTVQPRVTPVFASIPSDTTVEVGANVQLPCSSQGEPEPAITWNK DGVQVTESG KFHISPEGFLTINDVGPADAGRYECVARNTIGSASVSMVLSVNVPDVSRNGDPFVAT SIVE AIATVDRAINSTRTHLFDSRPRSPNDLLALFRYPRDPYTVEQARAGEIFERTLQ LIQEHVQHGLMVDLNG TSYHYNDLVSPQYLNLIANLSGCTAHRRVNNCSDMCFHQ KYRTHDGTCNNLQHPMWGASLTAFERLLKSV YENGFNTPRGINPHRLYNGHALPM PRLVSTTLIGTETVTPDEQFTHMLMQWGQFLDHDLDSTVVALSQAR FSDGQHCSN VCSNDPPCFSVMIPPNDSRARSGARCMFFVRSSPVCGSGMTSLLMNSVYPREQIN QLTSYI DASNVYGSTEHEARSIRDLASHRGLLRQGIVQRSGKPLLPFATGPPTECMR DENESPIPCFLAGDHRANE QLGLTSMHTLWFREHNRIATELLKLNPHWDGDTIYYET RKIVGAEIQHITYQHWLPKILGEVGMRTLGEY HGYDPGINAGIFNAFATAAFRFGHTL VNPLLYRLDENFQPIAQDHLPLHKAFFSPFRIVNEGGIDPLLRG LFGVAGKMRVPSQ LLNTELTERLFSMAHTVALDLAAINIQRGRDHGIPPYHDYRVYCNLSAAHTFEDLKN E IKNPEIREKLKRLYGSTLNIDLFPALVVEDLVPGSRLGPTLMCLLSTQFKRLRDGDRL WYENPGVFSPA QLTQIKQTSLARILCDNADNITRVQSDVFRVAEFPHGYGSCDEIPR VDLRVWQDCCEDCRTRGQFNAFSY HFRGRRSLEFSYQEDKPTKKTRPRKIPSVGR QGEHLSNSTSAFSTRSDASGTNDFREFVLEMQKTITDLR TQIKKLESRLSTTECVDA GGESHANNTKWKKDACTICECKDGQVTCFVEACPPATCAVPVNIPGACCPVC LQKRAEEKPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by

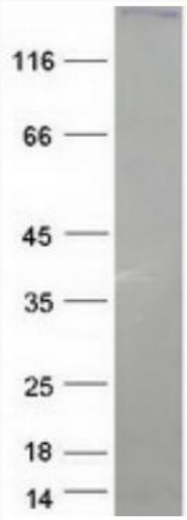
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	conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	PXDN peroxidasin [Homo sapiens (human)]
Official Symbol	PXDN
Synonyms	PXN; VPO; MG50; PRG2; ASGD7; COPOA; D2S448; D2S448E; hsPxd01
Gene ID	7837
mRNA Refseq	NM_012293.3
Protein Refseq	NP_036425.1
MIM	605158
UniProt ID	Q92626

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Coomassie blue staining of purified PXDN protein.

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