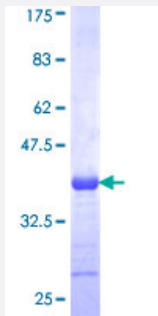


PXDN (Human) Recombinant Protein (Q01)

Catalog # H00007837-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PXDN partial ORF (XP_056455, 1452 a.a. - 1561 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	STSAFSTRSDASGTNDFREFVLEMQKTITDLRTQIKKLESRLSTTECV DAGGESHANNTKWKKDA CTICECKDGQVTCFVEACPPATCAVPVNIPGACCPVCLQKRAEEK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PXDN

Entrez GeneID [7837](#)

GeneBank Accession# [XM_056455](#)

Protein Accession# [XP_056455](#)

Gene Name PXDN

Gene Alias D2S448, D2S448E, KIAA0230, MG50, PRG2, PXN, VPO

Gene Description peroxidasin homolog (Drosophila)

Omim ID [605158](#)

Gene Ontology [Hyperlink](#)

Gene Summary Drosophila peroxidasin is an extracellular matrix-associated peroxidase (Horikoshi et al., 1999 [PubMed 10441517]). It is expressed exclusively in hemocytes derived from head mesoderm at a very early stage of differentiation. Peroxidasin exists as a homotrimer with a unique hybrid structure that combines an enzymatically functional peroxidase domain with motifs that are typically found in extracellular matrix-associated proteins. It is a secreted protein that contains a secretory recognition sequence at its N terminus. Peroxidasin catalyzes hydrogen peroxide-driven radioiodination, oxidations, and the formation of dityrosine in vitro. It is also thought to function in extracellular matrix consolidation, phagocytosis, and defense.[supplied by OMIM]

Other Designations p53-responsive gene 2|peroxidasin homolog

Publication Reference

- [Induction of functional xeno-free MSCs from human iPSCs via a neural crest cell lineage.](#)

Daisuke Kamiya, Nana Takenaka-Ninagawa, Souta Motoike, Mikihiro Kajiya, Teppei Akaboshi, Chengzhu Zhao, Mitsuaki Shibata, Sho Senda, Yayoi Toyooka, Hidetoshi Sakurai, Hidemi Kurihara, Makoto Ikeya.

NPJ Regenerative Medicine 2022 Sep; 7(1):47.

Application: Sub, Mouse, Mouse myoblasts

Disease

- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)