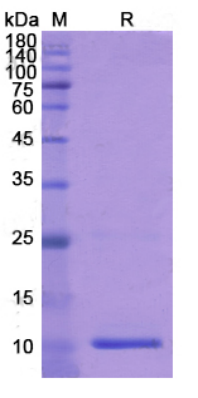
# PLXNB1 Human Recombinant Protein

## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | PLXNB1, Recombinant Protein |
| **Full Product Name** | Recombinant Human PLXNB1, N-His |
| **Product Gene Name** | PLXNB1 recombinant protein |
| **Product Synonym Names** | SEP; Semaphorin receptor SEP; PLXN5; PLXNB1; Plexin-B1; KIAA0407 |
| **Host** | E coli |
| **Form/Format** | Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol. |
| **Purity/Purification** | >90% as determined by SDS-PAGE |
| **Preparation and Storage** | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt. |
| **Molecular Weight** | 214,411 Da |
| **Sequence Positions** | Met1390-Val1463 |
| **3D Structure** | ModBase 3D Structure for O43157 |
| **Species** | Human |
| **Reconstitution** | Reconstitute in sterile water for a stock solution. |
| **Product Categories/Family for PLXNB1 recombinant protein** | Recombinant Proteins |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for PLXNB1 recombinant protein** | SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen |
| **Related Product Information for PLXNB1 recombinant protein** | MBS1572560 is a recombinant protein targeting PLXNB1. Also known as Recombinant Human PLXNB1, N-His. Host: E coli. |
| **Other Notes** | Small volumes of PLXNB1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |




**SDS-Page of PLXNB1 recombinant protein**
SDS PAGE for recombinant Human PLXNB1 protein

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLXNB1. It may not necessarily be applicable to this product.

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|---|---|
| **NCBI GI #** | 118763993 |
| **NCBI GeneID** | 5364 |
| **NCBI Accession #** | AAI28095.1 |
| **UniProt Primary Accession #** | O43157 |
| **UniProt Secondary Accession #** | Q6NY20; Q9UIV7; Q9UJ92; Q9UJ93; A6H8Y2 |
| **UniProt Related Accession #** | O43157 |
| **NCBI Official Full Name** | PLXNB1 protein |
| **NCBI Official Synonym Full Names** | plexin B1 |
| **NCBI Official Symbol** | PLXNB1 |
| **NCBI Official Synonym Symbols** | SEP; PLXN5; PLEXIN-B1 |
| **UniProt Protein Name** | Plexin-B1 |
| **UniProt Synonym Protein Names** | Semaphorin receptor SEP |
| **Protein Family** | Plexin |
| **UniProt Gene Name** | PLXNB1 |
| **UniProt Synonym Gene Names** | KIAA0407; PLXN5; SEP |
| **NCBI Protein Information** | plexin-B1 |
| **UniProt Comments for PLXNB1** | Receptor for SEMA4D. Plays a role in RHOA activation and subsequent changes of the actin cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. |
| **Research Articles on PLXNB1** | **1.** Analysis of the interaction of Plexin-B1 and Plexin-B2 with Rnd family proteins shows lack of binding specificity. |
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