

**Recombinant Human Slit2-N**  
**Catalog # PBG10416****Specification**

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**Recombinant Human Slit2-N - Product Information****Recombinant Human Slit2-N - Additional Information****Description**

Slit2 is a member of the Slit family that signals through the Roundabout (Robo) receptor as a repellent for axon guidance and neuronal migration, and can also act as a chemoattractant to vascular endothelial cells and a chemotaxis inhibitor for leukocytes. Slit2 is expressed primarily in the fetal lung, kidney, and adult spinal cord, and to a lesser extent in adult adrenal gland, thyroid and trachea. Slit2 is initially synthesized as a 1499 amino acid precursor, which is subsequently cleaved into N-terminal and C-terminal fragments, designated as Slit2-N and Slit2-C respectively. The neurodevelopment related activities, as measured by the ability to repel olfactory bulb axons and to induce branching in dorsal root ganglia axons, are contained only in the N-terminal fragment. Recombinant human Slit2-N is a 1093 amino acid glycoprotein corresponding to the N-terminal portion of the full length Slit2 precursor. Due to glycosylation Slit2-N migrates at an apparent molecular weight of approximately 120.0-140.0 kDa by SDS-PAGE analysis under reducing conditions.

**Biological Activity**

Determined by its ability to inhibit MC3T3/E1 osteoblasts cell differentiation.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human Slit2-N is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human Slit2-N - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Recombinant Human Slit2-N - Images**