

[Go to Product page](#)

Datasheet for ABIN7013018

**Plexin B2 Protein (PLXNB2) (AA 20-1160) (His tag)**

## Overview

Quantity:	100 µg
Target:	Plexin B2 (PLXNB2)
Protein Characteristics:	AA 20-1160
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Plexin B2 protein is labelled with His tag.

## Product Details

Purpose:	Human Plexin B2 Protein, His Tag
Purity:	>90 % as determined by reduced SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	Plexin B2 (PLXNB2)
Alternative Name:	Plexin B2 ( <a href="#">PLXNB2 Products</a> )
Background:	Plexin B2 serves as the receptor of Sema4C and Sema4G. By signaling the effect of Sema4C and Sema4G, the plexin B2 receptor plays important roles in neural tube closure and cerebellar granule cell development. Mice lacking Plexin B2 demonstrated defects in closure of the neural tube and disorganization of the embryonic brain. In developing kidney, Sema4C-Plexin B2

## Target Details

signaling modulates ureteric branching. Plexin B2 is expressed both in the pretubular aggregates and the ureteric epithelium in the developing kidney. Deletion of Plexin B2 results in renal hypoplasia and occasional double ureters. The Sema domain is located at the N-terminus and contains four disulfide bonds formed by eight conserved cysteine residues. It serves as a ligand-recognition and -binding module.

Molecular Weight: 127.0 kDa

NCBI Accession: [NP\\_036533](#)

Pathways: [Tube Formation](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C