

## Recombinant Human plexin A2 Protein, GST-tagged

**Cat. No.** PLXNA2-23H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human cDNA FLJ11751 fis, clone HEMBA1005576, moderately similar to Mus musculus plexin 2 (H11Y , S17F) with N-GST tag was expressed in yeast.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>ProteinLength</b>	1743-1894aa
<b>Description</b>	This gene encodes a member of the plexin-A family of semaphorin co-receptors. Semaphorins are a large family of secreted or membrane-bound proteins that mediate repulsive effects on axon pathfinding during nervous system development. A subset of semaphorins are recognized by plexin-A/neuropilin transmembrane receptor complexes, triggering a cellular signal transduction cascade that leads to axon repulsion. This plexin-A family member is thought to transduce signals from semaphorin-3A and -3C.
<b>Tag</b>	N-GST
<b>Form</b>	Lyophilized powder
<b>Molecular Mass</b>	43 kDa
<b>AA Sequence</b>	MHSQVFSAFPYSLPLRFWVNVIKNPQFVFDIHKGSITDACLSVVAQTFMDSCSTSEH RLDKDSPSNKLLYAKDIPSYKSWVERYADIAKLPASDQDMNAYLAEQSRLHAVEF

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NMLSALNEIYSYVSKYSEELIGALEQDEQARRQLAYKVEQLINAMSIES

**Purity** ≥85 %, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** Short term: 2 to 8 centigrade, one week after reconstitution  
Long term: -20 to -80 centigrade, twelve months from the date of receipt

**Storage Buffer** Lyophilized from PBS, 6 % Trehalose, pH 7.4. The volume before lyophilization is 500µl/vial.

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50 % of glycerol (final concentration) and aliquot for long-term storage at -20/-80 centigrade. Our default final concentration of glycerol is 50 %. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** [PLXNA2 plexin A2 \[Homo sapiens \(human\)\]](#)

**Official Symbol** [PLXNA2](#)

**Synonyms** PLXNA2; plexin A2; PLXN2; plexin-A2; FLJ11751; FLJ30634; KIAA0463; OCT; plexin 2; semaphorin receptor OCT; transmembrane protein OCT

**Gene ID** [5362](#)

**mRNA Refseq** [NM\\_025179](#)

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**Protein Refseq** NP\_079455

**MIM** 601054

**UniProt ID** Q9HAE7

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