

Recombinant Human plexin A2 Protein, GST-tagged

Cat. No. PLXNA2-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLXNA2 Protein (1743-1894aa) with N-GST-tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1743-1894aa
Description	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.
Tag	N-GST
Molecular Mass	44 kDa
AA Sequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMAIRYIADKHNLGGCPKERAEISMLEGAVLDIRYGVSR IAYSKD FE TLKVDFLSKLP EMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDP MCLDA F PKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQG WQATFGGGDHPPKMHSQVFSAFPY

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SLPLRFWVNVIKNPQFVFDIHKGSITDACLSVVAQTFMDCSTSEHRLDKDSPSNKLL
 YAKDIPSYKSWVERYADIAKLPASDQDMNAYLAEQSRHLHAVEFNMLSALNEIYSYV
 SKYSEELIGALEQDEQARRQRLAYKVEQLINAMSIES

Purity > 90 % by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.07 mg/mL by BCA

Storage Buffer Sterile 20mM Tris, 1M NaCl, pH 8.0

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](#)

Protein Refseq [NP_079455](#)

MIM [601054](#)

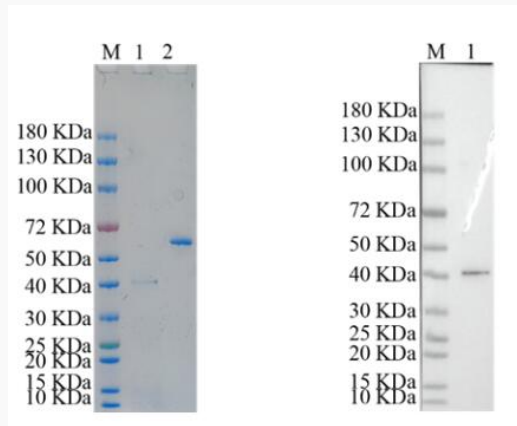
UniProt ID [O75051](#)

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Reducing 4 %-20 %
SDS-PAGE (CBB
stained) and WB
(Anti-GST tag Mouse
Monoclonal
Antibody) analysis
profiles of purified
PLXNA2.



1. PLXNA2
2. BSA

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