

Recombinant human Plexin-A1

Catalog No: #AP73136



Package Size: #AP73136-1 20ug #AP73136-2 100ug #AP73136-3 1mg

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Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human Plexin-A1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:986-1152aaSequence Info:Partial
Other Names	Semaphorin receptor NOV
Accession No.	Q9UIW2
Uniprot	Q9UIW2
GeneID	5361;
Calculated MW	20.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	LNAGSDVAVSVGGRPCSFSWRNSREIRCLTPPGQSPGSAPIININRAQLTNPEVKYNYTEDPTILRIDPEWSIN SGGTLLTVTGTNLATVREPRIRAKYGGIERENGCLVYNDTTMVCRAPSVANPVRSPPELGERPDELGFVMDN VRSLVLNSTSFLLYPDPVL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Coreceptor for SA3A, SA3C, SA3F and SA6D. Necessary for signaling by class 3 saphorins and subsequent rodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 saphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific saphorins, and its Cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm .

References

The DNA sequence, annotation and analysis of human chromosome 3.Muzny D.M., Scherer S.E., Kaul R., Wang J., Yu J., Sudbrak R., Buhay C.J., Chen R., Cree A., Ding Y., Dugan-Rocha S., Gill R., Gunaratne P., Harris R.A., Hawes A.C., Hernandez J., Hodgson A.V., Hume J. , Jackson A., Khan Z.M., Kovar-Smith C., Lewis L.R., Lozado R.J., Metzker M.L., Milosavljevic A., Miner G.R., Morgan M.B., Nazareth L.V., Scott G., Sodergren E., Song X.-Z., Steffen D., Wei S., Wheeler D.A., Wright M.W., Worley K.C., Yuan Y., Zhang Z., Adams C.Q., Ansari-Lari M.A., Ayele M., Brown M.J., Chen G., Chen Z., Clendenning J., Clerc-Blankenburg K.P., Chen R., Chen Z., Davis C., Delgado O., Dinh H.H., Dong W., Draper H., Ernst S., Fu G., Gonzalez-Garay M.L., Garcia D.K., Gillett W., Gu J., Hao B., Haugen E., Havlak P., He X., Hennig S., Hu S., Huang W., Jackson L.R., Jacob L.S., Kelly S.H., Kube M., Levy R., Li Z., Liu B., Liu J., Liu W., Lu J., Maheshwari M., Nguyen B.-V., Okwuonu G.O., Palmeiri A., Pasternak S., Perez L.M., Phelps K.A., Plover F.J., Qiang B., Raymond C., Rodriguez R., Saenphimmachak C., Santibanez J., Shen H., Shen Y., Subramanian S., Tabor P.E., Verduzco D., Waldron L., Wang J., Wang J., Wang Q., Williams G.A., Wong G.K.-S., Yao Z., Zhang J., Zhang X., Zhao G., Zhou J., Zhou Y., Nelson D., Lehrach H., Reinhardt R., Naylor S.L., Yang H., Olson M., Weinstock G., Gibbs R.A.Nature 440:1194-1198(2006)Research Topic:Neuroscience

Note: This product is for in vitro research use only