

Recombinant Human Myelin-associated glycoprotein(MAG),partial

Catalog No: #AP70520

Package Size: #AP70520-1 20ug #AP70520-2 100ug #AP70520-3 1mg

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Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Myelin-associated glycoprotein(MAG),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:20-516aaSequence Info:Extracellular Domain
Other Names	Siglec-4a
Accession No.	P20916
Calculated MW	70.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	GHWGAWMPSSISAFEGTCVSI PCRFDFPDEL RPAVVHGVWYFN SPYPKNYPPVFKSRTQVVHESFQGRSR LLGDLGLRNCTLLLSNVSPELGGKYYFRGDLGGYNQYTFSEHSVLDIVNTPNIVPPEVVAGTEVEVSCMVPD NCPELRPELSWLGHGELGEPAVLGRLREDEGTWWQVSLHFVPTREANGHRLGCQASFPNTTLQFEGYASM DVKYPPVIVEMNSSVEAIEGSHVSLLCGADSNPPPLLTWMRDGTVLREAVAESLLEEEVTPAEDGVYACLA ENAYGQDNRTVGLSVMYAPWKPTVNGTMVAVEGETVSILCSTQSNPDILTIFKEKQILSTVIYESELQLELPAV SPEDDGEYWCVAENQYQQRATAFNLSVEFAPVLLLESHCAAARDTVQCLCVKSNPEPSVAFELPSRNVTVN ESEREFVYSERSGLVLTSLTLRGQAQAPPRVICTARNLYGAKSLELPFQGAHRLMWAKIGP
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

Adhesion molecule in postnatal neural development that mediates sialic-acid dependent cell-cell interactions between neuronal and myelinating cells. Preferentially binds to alpha-2,3-linked sialic acid .

References

The DNA sequence and biology of human chromosome 19.Grimwood J., Gordon L.A., Olsen A.S., Terry A., Schmutz J., Lamerdin J.E., Hellsten U., Goodstein D., Couronne O., Tran-Gyamfi M., Aerts A., Altherr M., Ashworth L., Bajorek E., Black S., Branscomb E., Caenepeel S., Carrano A.V. , Caoile C., Chan Y.M., Christensen M., Cleland C.A., Copeland A., Dalin E., Dehal P., Denys M., Detter J.C., Escobar J., Flowers D., Fotopulos D., Garcia C., Georgescu A.M., Glavina T., Gomez M., Gonzales E., Groza M., Hammon N., Hawkins T., Haydu L., Ho I., Huang W., Israni S., Jett J., Kadner K., Kimball H., Kobayashi A., Larionov V., Leem S.-H., Lopez F., Lou Y., Lowry S., Malfatti S., Martinez D., McCreedy P.M., Medina C., Morgan J., Nelson K., Nolan M., Ovcharenko I., Pitluck S., Pollard M., Popkie A.P., Predki P., Quan G., Ramirez L., Rash S., Retterer J., Rodriguez A., Rogers S., Salamov A., Salazar A., She X., Smith D., Slezak T., Solovyev V., Thayer N., Tice H., Tsai M., Ustaszewska A., Vo N., Wagner M., Wheeler J., Wu K., Xie G., Yang J., Dubchak I., Furey T.S., DeJong P., Dickson M., Gordon D., Eichler E.E., Pennacchio L.A., Richardson P., Stubbs L., Rokhsar D.S., Myers R.M., Rubin E.M., Lucas S.M.Nature 428:529-535(2004)Research Topic:Cell Adhesion

Note: This product is for in vitro research use only and is not intended for use in humans or animals.