

Product datasheet for TP322455

Myelin oligodendrocyte glycoprotein (MOG) (NM_206809) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myelin oligodendrocyte glycoprotein (MOG), transcript variant alpha1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222455 representing NM_206809 Red =Cloning site Green =Tags(s)
	MASLSRPSLPSCCLCSFLLLLLLQVSSSYAGQFRVIGPRHPICALVGVDELPCRISPGKNATGMEVGWYR PPFSRVVHLYRNGKDQDGDQAPEYRGRTELLKDAIGEGKVTLRIRNVRFSDDEGGFTCFFRDHSYQEEAAM ELKVEDPFYWVSPGVLVLLAVLPVLLLQITVGLIFLCLQYRLRGKLR AEIENLHRTFDPHFLRVPCWKIT LFVIVPVLGPLVALIICYNWLHRRLAGQFLEELRNPF
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	25.1 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_996532</u>
Locus ID:	4340



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UniProt ID: [Q16653](#)

RefSeq Size: 2119

Cytogenetics: 6p22.1

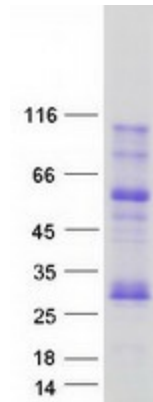
RefSeq ORF: 741

Synonyms: BTN6; BTNL11; MOGIG2; NRCLP7

Summary: The product of this gene is a membrane protein expressed on the oligodendrocyte cell surface and the outermost surface of myelin sheaths. Due to this localization, it is a primary target antigen involved in immune-mediated demyelination. This protein may be involved in completion and maintenance of the myelin sheath and in cell-cell communication. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified MOG protein (Cat# TP322455). The protein was produced from HEK293T cells transfected with MOG cDNA clone (Cat# [RC222455]) using MegaTran 2.0 (Cat# [TT210002]).