

## Product datasheet for **TP720042**

### Myelin oligodendrocyte glycoprotein (MOG) (NM\_001008228) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myelin oligodendrocyte glycoprotein (MOG), transcript variant alpha3
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Gly30-Gly154
Tag:	C-His
Predicted MW:	15.2 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Bioactivity:	Tested for capability to induce EAE in rodents and monkeys
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001008229</a>
Locus ID:	4340
UniProt ID:	<a href="#">Q16653</a> , <a href="#">Q16653-3</a>
Cytogenetics:	6p22.1
Synonyms:	BTN6; BTNL11; MOGIG2; NRCLP7



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**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:**