

## 32-9179: Recombinant Human Myelin Oligodendrocyte Glycoprotein/MOG (C-His)

**Alternative Name :** Myelin-Oligodendrocyte Glycoprotein; MOG

### Description

Source : Human 293 Cells;

Myelin oligodendrocyte glycoprotein (MOG) is a single-pass transmembrane protein that is a member of the immunoglobulin superfamily. MOG contains an Ig-like domain followed by two potential membrane-spanning regions. MOG is expressed exclusively by oligodendrocytes in the central nervous system. MOG expression in the brain can be used as a temporal biomarker for myelin development. MOG is an essential antigenic target for autoimmune diseases that mediate demyelination in the CNS. In vivo administration of exogenous MOG protein or peptide induces experimental autoimmune encephalomyelitis (EAE) in multiple animal species. EAE is used as an animal model for multiple sclerosis and related CNS demyelinating diseases.

### Product Info

**Amount :** 500 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4

**Amino Acid :** Recombinant Human Myelin Oligodendrocyte Glycoprotein is produced by our Mammalian expression system and the target gene encoding Gly30-Gly154 is expressed with a 6His tag at the C-terminus.