

OMG, 25-418aa, Human, His tag, Baculovirus

Cat.NO.: TP03252

3th Edition

Synonyms:Oligodendrocyte-myelin glycoprotein, OMG, OMGP, Oligodendrocyte-myelin glycoprotein, Omg, OMGP_HUMAN.

Description:OMG, also known as oligodendrocyte-myelin glycoprotein, is a cell membrane protein which contains eight leucine-rich repeats. This protein is expressed on the surface of oligodendrocytes and on large projection neurons, including Purkinje cells of the cerebellum, pyramidal cells of the hippocampus, motoneurons of the brainstem and anterior horn cells of the spinal cord. The neurite outgrowth inhibitory activities of all three myelin-derived proteins are mediated by binding to a common receptor complex consisting of the Nogo receptor and the p75 neurotrophin receptor. Recombinant human OMG, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:45.4kDa (401aa), 50-100kDa (SDS-PAGE under reducing conditions)

Sequences:

ICPLQCICTERHRHVDCSGRNLSLTPSGLQENIIHLNLSYNHFTDLHNQLTQYTNLRTLDISNNRLESPLAHLPRSLW
NMSAANNIKLLDKSDTAYQWNLKYLDVSKNMLEKVVLIKNLRSLVNLNLSNKLWTVPTNMPSKLHIVDLSNNSL
TQILPGTLINLNLTHLYLHNNKFTFIPDQSFDQLFQLQEITLYNNRWSCDHKQINITYLLKWMMETKAHVIGTPCSTQI
SSLKEHNMYPTPSGFTSSLFTVSGMQTVDTINLSVVTQPKVTKIPKQYRTKETTFFGATLSKDTTFTSTDKAFVPYP
EDTSTETINSHEAAAATLTIHLQDGMVTNTSLTSSTKSSPTPMTLSITSGMPNPFSEMPQQSTTLNLWREETTTNVK
TPLPSVEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.