

Glycoprotein (G) Recombinant Protein | G recombinant protein

Recombinant Rabies virus Glycoprotein (G), partial

CATALOG # AAA18731	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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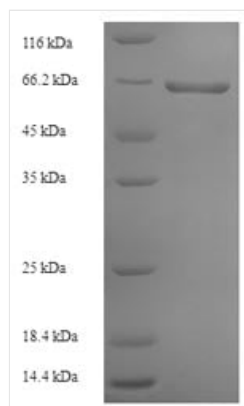
PRODUCT SYNONYMS

Glycoprotein (G); Recombinant Rabies virus Glycoprotein (G); partial; G recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	20-459aa; partial
Sequence	KFPIYTILDK LGPWSPIDIH HLSCPNNLVV EDEGCTNLSG FSYMELKVG Y ILAIKMNGFT CTGVVTEAET YTNFVG YVTT TFKRKHFRPT PDACRAAYNW KMAGDP RYEE SLHNPYPDYR WLRTVKTTKE SLVIISPSVA DLDPYDRSLH SRVFP SGKCS GVAVSSTYCS TNHDYTIWMP ENPRLGMSCD IFTNSRGKRA SKGSETCGFV DERGLYKSLK GACKLKLCGV LGLRLMDGTW VAMQTSNETK WCPPDQLVNL HDFSDEIEH LVVEELVRKR EECLDALES I MTTKSVSFRR LSHLRKLVP G FGKAYTIFNK TLMEADAHYK SVRTWNEILP SKGCLR VGGR CHPHVNGVFF NGIILGPDGN VLIPEMQSSL LQQHMELLES SVIPLVHPLA DPSTVFKDGD EAEDFVEVHL PDVHNQVSGV DLGLPNWGKY
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for G recombinant protein	Attaches the virus to host cellular receptor, inducing endocytosis of the virion. In the endosome, the acidic pH induces conformational changes in the glycoprotein trimer, which trigger fusion between virus and cell membrane. There is convincing in vitro evidence that the muscular form of the nicotinic acetylcholine receptor (nAChR), the neuronal cell adhesion molecule (NCAM), and the p75 neurotrophin receptor (p75NTR) bind glycoprotein and thereby facilitate rabies virus entry into cells.
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References	Structure of the glycoprotein gene in rabies virus.Anilionis A., Wunner W.H., Curtis P.J.Nature 294:275-278(1981) Amino acid sequence of the rabies virus glycoprotein deduced from its cloned gene.Anilionis A., Wunner W.H., Curtis P.J.Comp. Immunol. Microbiol. Infect. Dis. 5:27-32(1982) Complete nucleotide sequencing of SAD derivatives of attenuated rabies virus vaccine strains.Geue L., Schares S., Schnick C., Kliemt J., Beckert A., Hoffmann B., Freuling C., Marston D., McElhinney L., Fooks A., Zaroni R., Peterhans E., Cox J.H., Mueller T. Antigenic variants of CVS rabies virus with altered glycosylation sites.Wunner W.H., Dietzschold B., Smith C.L., Lafon M., Golub E.Virology 140:1-12(1985) N-linked glycosylation of rabies virus glycoprotein. Individual sequons differ in their glycosylation efficiencies and influence on cell surface expression.Shakin-Eshleman S.H., Remaley A.T., Eshleman J.R., Wunner W.H., Spitalnik S.L.J. Biol. Chem. 267:10690-10698(1992) The role of site-specific N-glycosylation in secretion of soluble forms of rabies virus glycoprotein.Wojczyk B.S., Stwora-Wojczyk M., Shakin-Eshleman S.H., Wunner W.H., Spitalnik S.L.Glycobiology 8:121-130(1998) Rabies virus receptors.Lafon M.J. Neurovirol. 11:82-87(2005)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	138301
UniProt Accession #	P03524; A3F5L8
Molecular Weight	50.6
NCBI Official Full Name	Glycoprotein
UniProt Protein Name	Glycoprotein
UniProt Gene Name	G
UniProt Entry Name	GLYCO_RABVE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.