

Recombinant Rabies virus Glycoprotein G

Catalog No: #AP73004



Package Size: #AP73004-1 20ug #AP73004-2 100ug #AP73004-3 1mg

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Description

Product Name	Recombinant Rabies virus Glycoprotein G
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:20-459aaSequence Info:Partial
Accession No.	A3RM22
Uniprot	A3RM22
Calculated MW	51.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	KFPIYTIPDKLGPWSPIDIHHLSCPNNLVEDEGCTNLSGFSYMELKVGYISAIKVNNGFTCTGVVTEAETYTNFV GYVTTTFKRKHFRPTDACRAAYNWKMAGDPRYEESLHNPPDYHWRVTKTTKESLVIISPSVADLDPYDKS LHSRVFSPGKCSGITISSSTYCNHDYIWMNPENPRLGTSCDIFTNSRGKRASKGGKTCGFVDERGLYKSLKG ACKLKLCGVGLRLMDGTWVAMQTSDETKWCPPDQLVNLHDFRSDEIEHLVVEELVKKREECLDALESIMAT KSVSFRRLSHLRKLVPGFGKAYTIFNKTLMEADAHYKSVRTWNEIIPSKGCLRVGGRCHPHVNGVFFNGIILGP DGHVLIPEMQSSLLQQHMELLESSIPLMHPLADPSTVFKDGEAEDFVEVHLPDVHKQISGVDLGLPSWGKY
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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 (By similarity).

References

"Complete nucleotide sequencing of an Indian isolate of Rabies virus."Desai A., Nagaraja T., Muhamuda K., Madhusudana S., Ravi V.Research Topic:Others

Note: This product is for in vitro research use only