

Envelope glycoprotein E (gE) Recombinant Protein | gE recombinant protein

Recombinant Varicella-zoster virus Envelope glycoprotein E (gE)

CATALOG # AAA230645	HOST Cell Free Expression
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PRODUCT SYNONYMS

Envelope glycoprotein E (gE); Recombinant Varicella-zoster virus Envelope glycoprotein E (gE); gE recombinant protein

PRODUCT SPECIFICATIONS

Host	Cell Free Expression
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	31-623aa; Full Length of Mature Protein
Sequence	SVLRYDDFHT DEDKLDITNSV YEPYYHSDHA ESSWVNRGES SRKAYDHNSP YIWPRNDYDG FLENAHEHHG VYNQGRGIDS GERLMQPTQM SAQEDLGDDT GIHVIPTLNG DDRHKIVNVD QRQYGDVFKG DLNPKPQGQR LIEVSVEENH PFTLRAPIQR IYGVRYTETW SFLPSLTCTG DAAPAIQHIC LKHTTCFQDV VVDVDCAENT KEDQLAEISY RFQGGKEADQ PWIVVNTSTL FDELEDPPE IEPGVLVLR TEKQYLGVI WNMGRSDGTS TYATFLVTWK GDEKTRNPTP AVTPQPRGAE FHMWNYHSHV FSVGDTFSLA MHLQYKIEHA PFDLLEWLY VPIDPTCQPM RLYSTCLYHP NAPQCLSHMN SGCTFTSPHL AQRVASTVYQ NCEHADNYTA YCLGISHMEP SFGILHDGG TTLKFVDTP E SLSGLYVFV YFNGHVEAVA YTVVSTVDHF VNAIEERGFP PTAGQPPATT KPKEITPVNP GTSPLRYAA WTGGLAAVVL LCLVIFLICT AKRMRVKAYR VDKSPYNQSM YYAGLPVDDF EDSESTDTEE EFGNAIGGSH GGSSYTVYID KTR
Species	Varicella-zoster virus (strain Dumas) (HHV-3) (Human herpesvirus 3)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for gE recombinant protein	Envelope glycoprotein that binds to the potential host cell entry receptor IDE. In epithelial cells, the heterodimer gE/gI is required for the cell-to-cell spread of the virus, by sorting nascent virions to cell junctions. Once the virus reaches the cell junctions, virus particles can spread to adjacent cells extremely rapidly through interactions with cellular receptors that accumulate at these junctions. Implicated in basolateral spread in polarized cells. In neuronal cells, gE/gI is essential for the anterograde spread of the infection throughout the host nervous system. Together with US9, the heterodimer gE/gI is involved in the sorting and transport of viral structural components toward axon tips
Product Categories/Family for gE recombinant protein	Transmembrane Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	9625942
NCBI GeneID	1487709
NCBI Accession #	NP_040190.1
NCBI GenBank Nucleotide #	NC_001348.1
UniProt Accession #	P09259 ; Q77JF5

Molecular Weight	85.4 kDa
NCBI Official Full Name	envelope glycoprotein E
NCBI Official Symbol	ORF68
NCBI Protein Information	type 1 membrane protein; contains a signal peptide; complexed with envelope glycoprotein I to form an Fc-receptor
UniProt Protein Name	Envelope glycoprotein E
UniProt Gene Name	gE
UniProt Synonym Gene Names	gE
UniProt Entry Name	GE_VZVD

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.

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Online datasheet: <https://stage.aaabiotech.com/ge-recombinant-protein-cell-free-expression/230645>