

Recombinant VSIV (Strain San Juan) GP Protein (Met1-Ser467), His-tagged

Cat. No. GP-781V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant VSIV (Vesicular Stomatitis Indiana Virus) (Strain San Juan) GP (Glycoprotein) Protein (NP_041715.1) (Met1-Ser467) was produced by Baculovirus-Insect Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	VSIV
Source	Insect Cells
ProteinLength	Met1-Ser467
Predicted N Terminal	Lys 17
Form	Lyophilized from sterile 20 mM Tris, pH 8.0, 300 mM NaCl, 10 % glycerol, 0.5 mM TCEP, 0.5 mM PMSF. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant Vesicular stomatitis Indiana virus (VSIV) (strain San Juan) G consists of 462 amino acids and predicts a molecular mass of 51.9 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	VSIVgp4 glycoprotein (G protein) precursor [Vesicular stomatitis Indiana virus]
Official Symbol	GP
Gene ID	1489834
Protein Refseq	NP_041715
UniProt ID	P03522

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