

Recombinant Full Length Tomato Spotted Wilt Virus Envelope Glycoprotein(Gp) Protein, His-Tagged

Cat. No. RFL10765TF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Tomato spotted wilt virus Envelope glycoprotein(GP) Protein (Q9IKB7) (485-1135aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Tomato spotted wilt virus (isolate D) (TSWV)
Source	E.coli
ProteinLength	Full Length of Mature Protein (485-1135)
Form	Lyophilized powder
AA Sequence	KFEKCPEKDQCYCNVKEDIIESIFGTNIVIEGPNDCIENQNCIARPSIDNLIKCR LGCE YDLDFQNKPLYNGFSDYTESSLGLTSVGLYEAKRLRNGIIDSYNRTDKISGMIAGDSL DK NETSIPENILPRQSLIFDSVVDGKYRYMIEQSLLGGGGTIFMLNDKTSETAKKFVIY IKS VGIHHEVSEEYTTAPIQSTHTDFYPTCIGNCDTCRKNQALTGFQDFCITPTS YWG CEEAW CFAINEGATCGFCRNIYDIDKSYRIYSVLKSTIVADVCISGILGGQCSRITEEV PYENTL FQADIQSDLHNDGITIGELIAHGPD SHIYSGNIANLNDPVKMF GHPQLTHDG VPIFTKKT LEGDDMSWDCAATGKKSVTIKTCGYD TYRFRSGLEQISDIPVSFKDFSS FFLEKS FSLGE LKIVVDLP SDLFKVVPK KPSITSTSLNCNGCLLCGQGLSCILEFFSDL TFSTAISIDACS LSTYQLAVKKGSNKYNITMFCSANPD KKKMTLYPEGNPDIPVEVLV NNVIEEEPENIIDQ NDEYAHEEQQYNSDSSAWGFWDYIKSPFNFIASYFGSFFDTIRV VLLIAFIFLVIYFCSI LTSICKGYVKHKSYKSR SKIEDDDEPEIKAPMLMKDTMTRRRPP MDFSHLV

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Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	GP
Synonyms	GP; Envelopment polyprotein; M polyprotein
UniProt ID	Q9IKB7