

F Protein with C-Terminal Histidine Tag from Respiratory Syncytial Virus, B1, Recombinant from Baculovirus

Catalog No. NR-31097

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Contributor:

BEI Resources

Manufacturer:

Chesapeake PERL, Inc.

Product Description:

A recombinant form of the fusion (F) glycoprotein from respiratory syncytial virus, B1 containing an enterokinase-cleavable C-terminal histidine tag was produced by baculovirus infection of *Trichoplusia ni* insect larvae and purified by standard chromatographic methods.^{1,2} The predicted protein sequence is shown in Table 1.

Material Provided:

Each vial contains approximately 0.1 mg of purified recombinant F protein in 20 mM Tris buffer (pH 7.4) containing 100 mM NaCl, 0.025% Triton X-100, and 200 mM arginine. The concentration, expressed as mg/mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-31097 was packaged aseptically, in screw-capped plastic cryovials. This product is provided on dry ice and should be stored at -80°C or colder. Before opening, tap the vial gently to bring all material to the bottom of the tube. Repeated freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: F Protein with C-Terminal Histidine Tag from Respiratory Syncytial Virus, B1, Recombinant from Baculovirus, NR-31097."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. O'Connell, K. P., et al. "Production of a Recombinant Antibody Fragment in Whole Insect Larvae." Mol. Biotechnol. 36 (2007): 44-51. PubMed: 17827537.
2. Personal Communication, C-PERL, Inc.

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Table 1 - Predicted Protein Sequence					
1	QNITEEFYQS	TCSAVSRGYF	SALRTGWYTS	VITIELSNIK	ETKCNGTDTK
51	VKLIKQELDK	YKNAVTELQL	LMQNTPAANN	RARREAPQYM	NYTINTTKNL
101	NVSISKRRKR	RFLGFLLGVG	SAIASGIAVS	KVLHLEGEVN	KIKNALLSTN
151	KAVVSLNGV	SVLTSKVLDL	KNYINNQLLP	IVNQQSCRIS	NIETVIEFQQ
201	KNSRLLLEINR	EFSVNAGVTT	PLSTYMLTNS	ELLSLINDMP	ITNDQKKLMS
251	SNVQIVRQQS	YSIMSIIKEE	VLAYVVQLPI	YGVIDTPCWK	LHTSPLCTTN
301	IKEGSNICLT	RTDRGWYCDN	AGSVSFFPQA	DTCKVQSNRV	FCDTMNSLTL
351	PSEVSLCNTD	IFNSKYDCKI	MTSKTDISSS	VITSLGAIVS	CYGKTKCTAS
401	NKNRGIKTF	SNGCDYVSNK	GVDTVSVGNT	LYYVNKLEGK	NLYVKGEPII
451	NYYDPLVFPS	DEFDASISQV	NEKINQSLAF	IRRSDELLHN	VNTGKSTTNI
501	MITT DDDDKH	<u>HHHHH</u>			

F Protein – Residues 1 to 504
Enterokinase cleavage site - 505-509
 His Tag – Residues 510 to 515