



Recombinant Human OPTN Protein Product Manual

1. Product Basic Information

Product No.: REP07696

Protein Name: Nemo-Related Protein (OPTN)

Aliases: NRP; FIP2; HIP7; HYPL; ALS12; FIP-GLC1E; HIP-optineurin; TFIIIA-INTP; nemo-related protein; transcription factor IIIA-interacting protein; transcription factor IIIA-interacting protein

UniProt ID: Q96CV9

UniProt Link: <https://www.uniprot.org/uniprotkb/Q96CV9/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-577aa)

Molecular Weight: 69.9 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-577aa)

MSHQPLSCLTEKEDSPSESTGNPPLAHPNLDFTPEELLQQMKELLTENHQLKE
AMKLNNQAMKGRFEELSAWTEKQKEERQFFEIQSKEAKERLMALSHENEKLKEEL
GKLKGKSERSSDPTDDSRLPRAEAQEKDQLRTQVVRLQAEKADLLGIVSELQLK
LNSSGSSSEDSFVEIRMAEGEAEAGSVKEIKHSPGPTRTVSTGTALSKYRSRSADGAK
NYFEHEELTVSQQLLLCLREGNQKVERLEVALKEAKERVSDFEKKTSNRSEIETQTEG
STEKENDEEKGPETVGSEVEALNLQVTSFLFKELQEAHTKLSEAELMKRLQEKCQA
LERKNSAIPSELNEKQELVYTNKKLELQVESMLSEIKMEQAKTEDEKSKLTVLQMTH
NKLLQEHNNALKTIEELTRKESEKVDRAVLKELSEKLELAEKALASKQLQMDMKQT
IAKQEEDLETMTILRAQMEVYCSDFFHAERAAREKIHEEKEQLALQLAVLLKENDAFE
DGGRQSLMEMQSRHGARTSDSDQQAYLVQRGAEDRDWRQQRNIPIHSCPCKGE
VLPDIDTLQIHVMDCII

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human OPTN full length protein (1-577aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. OPTN, also known as NRP or FIP2 or HIP7, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.