

Datasheet for ABIN7554120 HNRNPK Protein (AA 1-463) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | HNRNPK |
| Protein Characteristics: | AA 1-463 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This HNRNPK protein is labelled with His tag. |

Product Details

| | |
|--------------|---|
| Purpose: | Custom-made recombinant HNRNPK Protein expressed in mammalian cells. |
| Sequence: | <p>METEQPEETF PNTETNGEFG KRPAEDMEEE QAFKRSRNTD EMVELRILLQ SKNAGAVIGK</p> <p>GGKNIKALRT DYNASVSVPD SSGPERILSI SADIETIGEI LKKIIPTEE GLQLPSPTAT SQLPLESDAV</p> <p>ECLNYQHYKG SDFDCELRLI IHQSLAGGII GVKGAKIKEL RENTQTTIKL FQECPPHSTD</p> <p>RVVLIGGKPD RVVECIKIL DLISESPIKG RAQPYDPNFY DETYDYGFT MMFDDRRGRP</p> <p>VGFPMRGRGG FDRMPPGRGG RPMPPSRRDY DDMSPRRGPP PPPPGRGGRG GSRARNLPLP</p> <p>PPPPRGGDL MAYDRRGRPG DRYDGMVGFS ADETWDSAID TWSPSEWQMA YEPQGGSGYD</p> <p>YSYAGGRGSY GDLGGPIITT QVTIPKDLAG SIIGKGGQRI KQIRHESGAS IKIDEPLEGS EDRIITITGT</p> <p>QDQIQNAQYL LQNSVKQYSG KFF Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p> |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

HNRNPK

Alternative Name:

HNRNPK ([HNRNPK Products](#))

Background:

Heterogeneous nuclear ribonucleoprotein K (hnRNP K) (Transformation up-regulated nuclear protein) (TUNP),FUNCTION: One of the major pre-mRNA-binding proteins. Binds tenaciously to poly(C) sequences. Likely to play a role in the nuclear metabolism of hnRNAs, particularly for pre-mRNAs that contain cytidine-rich sequences. Can also bind poly(C) single-stranded DNA. Plays an important role in p53/TP53 response to DNA damage, acting at the level of both transcription activation and repression. When sumoylated, acts as a transcriptional coactivator of p53/TP53, playing a role in p21/CDKN1A and 14-3-3 sigma/SFN induction (By similarity). As far as transcription repression is concerned, acts by interacting with long intergenic RNA p21 (lincRNA-p21), a non-coding RNA induced by p53/TP53. This interaction is necessary for the induction of apoptosis, but not cell cycle arrest. As part of a ribonucleoprotein complex composed at least of ZNF827, HNRNPL and the circular RNA circZNF827 that nucleates the complex on chromatin, may negatively regulate the transcription of genes involved in neuronal differentiation (PubMed:33174841). {ECO:0000250, ECO:0000269|PubMed:16360036,

Target Details

ECO:0000269|PubMed:20673990, ECO:0000269|PubMed:22825850,
ECO:0000269|PubMed:33174841}.

Molecular Weight: 51.0 kDa

UniProt: [P61978](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months