

Datasheet for ABIN7551277

Protein Red (IK) (AA 1-557) protein (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Protein Red (IK)
Protein Characteristics:	AA 1-557
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat IK Protein expressed in mammalien cells.
Sequence:	<p>MPERDSEPFNS NPLAPDGHVD DDPHSFHQSK LTNEDFRKLL MTPRAAPSTA PPSKSRHHEM PREYNEDEDP AARRRKKKSY YAKLRQQEIE RERELAKEYR DRAKERRDGV NKDYEETELI STTANYRAVG PTAEADKSAA EKRRQLIQES KFLGGDMEHT HLVKGLDFAL LQKVRAEIAS KEKEEEEELME KPQKETKKDE DPENKIEFKT RLGRNVYRML FSKKAYERNE LFLPGRMAYV VDLDDEYADT DIPTTLIRSK ADCPTMEAQT TLTTNDIVIS KLTQILSYLR QGTRNKLLKK KDKGKLEEK PPEADMNIFE DIGDYVPSTT KTPRDKERER YRERERDRER DRDRDRERER ERDRERERER DREREEKKR HSYFEKPKVD DEPMDVDKGP GSTKELIKSI NEKFAGSAGW EGTESLKKPE DKKQLGDFFG MSNSYAECYP ATMDDMAVDS DEEVDYSKMD QGNKKGPLGR WDFDTQEEYS EYMNNKEALP KAAFQYGIKM SEGRKTRRFK ETNDKAELDR QWKKISAIIIE KRKKMEADGV EVKRPKY Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p>

Product Details

another tag necessary. In case you have a special request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

Protein Red (IK)

Alternative Name:

Protein Red ([IK Products](#))

Background:

Protein Red (Cytokine IK) (IK factor) (Protein RER),FUNCTION: Involved in pre-mRNA splicing as a component of the spliceosome (PubMed:28781166). Auxiliary spliceosomal protein that regulates selection of alternative splice sites in a small set of target pre-mRNA species (Probable). Required for normal mitotic cell cycle progression (PubMed:22351768, PubMed:24252166). Recruits MAD1L1 and MAD2L1 to kinetochores, and is required to trigger the spindle assembly checkpoint (PubMed:22351768). Required for normal accumulation of SMU1 (PubMed:24945353). {ECO:0000269|PubMed:22351768, ECO:0000269|PubMed:24252166, ECO:0000269|PubMed:24945353, ECO:0000269|PubMed:28781166, ECO:0000305}., FUNCTION: (Microbial infection) Required, together with SMU1, for normal splicing of influenza A virus NS1 pre-mRNA, which is required for the production of the exportin NS2 and for the production of influenza A virus particles. Not required for the production of VSV virus particles. {ECO:0000269|PubMed:24945353}.

Target Details

Molecular Weight: 65.6 kDa

UniProt: [Q13123](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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