

Datasheet for ABIN7556046
ERCC4 Protein (AA 1-916) (His tag)



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Overview

Quantity:	1 mg
Target:	ERCC4
Protein Characteristics:	AA 1-916
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERCC4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ERCC4 Protein expressed in mammalian cells.
Sequence:	MESGQPARRI AMAPLLEYER QLVLELLDTD GLVVCARGLG ADRLLYHFLQ LHCHPAQLVL VLNTQPAEEE YFINQLKIEG VEHLPRRVTN EITSNSRYEV YTQGGVIFAT SRILVVDFLT DRIPSDLITG ILVYRAHRRI ESCQEAFILR LFRQKNKRGF IKAFTDNAVA FDTGFCHVER VMRNLFVRKL YLWPRFHVAV NSFLEQHKPE VVEIHVSMTP TMLAIQTAIL DILNACLKEL KCHNPSLEVE DLSLENAIGK PFDKTIRHYL DPLWHQLGAK TKSLVQDLKI LRTLLQYLSQ YDCVTFNLNL ESLRATEKAF GQNSGWFLD SSTSMFINAR ARVYHLPDAK MSKKEKISEK MEIKEGEETK KELVLESNPK WEALTEVLKE IEAENKESEA LGGPGQVLIC ASDDRTCSQL RDYITLGAEA FLLRLYRKTF EKDSKAEVW MKFRKEDSSK RIRKSHKRPK DPQNKERAST KERTLKKKKR KLTLTQMVGK PEELEEEGDV EEGYRREISS SPESCPEEIK HEEFDVNLSS DAAFILKEP LTIHPLLGC SDPYALTRVL HEVEPRYVWL YDAELTFVRQ LEIYRASRPG KPLRVYFLIY GGSTEEQRYL TALRKEKEAF EKLIREKASM VVPEEREGRD ETNLDLVRGT

Product Details

ASADVSTDTR KAGGQEQNGT QQSIVDMRE FRSELP SLIH RRGIDIEPVT LEVGDYILTP
EMCVERKSIS DLIGSLNNGR LYSQCISMSR YYKRPVLLIE FDPSKPFSLT SRGALFQEIS
SNDISSKLTL LTLHFRLRI LWCPSPHATA ELFEELKQSK PQPDAATALA ITADSETLPE
SEKYNPGPQD FLLKMPGVNA KNCRSLMHHV KNIAELAALS QDELTSILGN AANAKQLYDF
IHTSFAEVVS KGKGKK **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.**

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:

ERCC4

Alternative Name:

ERCC4 ([ERCC4 Products](#))

Background:

DNA repair endonuclease XPF (EC 3.1.-.-) (DNA excision repair protein ERCC-4) (DNA repair protein complementing XP-F cells) (Xeroderma pigmentosum group F-complementing protein),FUNCTION: Catalytic component of a structure-specific DNA repair endonuclease responsible for the 5-prime incision during DNA repair, and which is essential for nucleotide excision repair (NER) and interstrand cross-link (ICL) repair. {ECO:0000269|PubMed:10413517, ECO:0000269|PubMed:11790111, ECO:0000269|PubMed:19596235,

Target Details

ECO:0000269|PubMed:24027083, ECO:0000269|PubMed:32034146,
ECO:0000269|PubMed:8797827}.

Molecular Weight: 104.5 kDa

UniProt: [Q92889](#)

Pathways: [DNA Damage Repair](#)

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