Datasheet for ABIN7547482

ERCC1 Protein (AA 1-297) (His tag)

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Overview

Quantity:	1 mg
Target:	ERCC1
Protein Characteristics:	AA 1-297
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERCC1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ERCC1 Protein expressed in mammalien cells.
Sequence:	MDPGKDKEGV PQPSGPPARK KFVIPLDEDE VPPGVAKPLF RSTQSLPTVD TSAQAAPQTY AEYAISQPLE GAGATCPTGS EPLAGETPNQ ALKPGAKSNS IIVSPRQRGN PVLKFVRNVP WEFGDVIPDY VLGQSTCALF LSLRYHNLHP DYIHGRLQSL GKNFALRVLL VQVDVKDPQQ ALKELAKMCI LADCTLILAW SPEEAGRYLE TYKAYEQKPA DLLMEKLEQD FVSRVTECLT TVKSVNKTDS QTLLTTFGSL EQLIAASRED LALCPGLGPQ KARRLFDVLH EPFLKVP **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.

Product Details

	• Protein expressed in mammalien 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:	ERCC1
Alternative Name:	ERCC1 (ERCC1 Products)
Background:	DNA excision repair protein ERCC-1,FUNCTION: [Isoform 1]: Non-catalytic component of a structure-specific DNA repair endonuclease responsible for the 5'-incision during DNA repair. Responsible, in conjunction with SLX4, for the first step in the repair of interstrand cross-links (ICL). Participates in the processing of anaphase bridge-generating DNA structures, which consist in incompletely processed DNA lesions arising during S or G2 phase, and can result in cytokinesis failure. Also required for homology-directed repair (HDR) of DNA double-strand breaks, in conjunction with SLX4. {ECO:0000269|PubMed:17273966, ECO:0000269|PubMed:23623389, ECO:0000269|PubMed:24036546}., FUNCTION: [Isoform 2]: Not functional in the nucleotide excision repair pathway. {ECO:0000305|PubMed:24036546}., FUNCTION: [Isoform 3]: Not functional in the nucleotide excision repair pathway. {ECO:0000305|PubMed:24036546}., FUNCTION: [Isoform 4]: Not functional in the nucleotide excision repair pathway. {ECO:0000305|PubMed:24036546}.
Molecular Weight:	32.6 kDa
UniProt:	P07992

Target Details

Pathways:	DNA Damage Repair, Production of Molecular Mediator of Immune Response

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