Datasheet for ABIN7548426

IFFO1 Protein (AA 1-559) (His tag)

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Overview

Quantity:	1 mg
Target:	IFFO1
Protein Characteristics:	AA 1-559
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFFO1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat IFFO1 Protein expressed in mammalien cells.
Sequence:	MNPLFGPNLF LLQQEQQGLA GPLGDSLGGD HFAGGGDLPP APLSPAGPAA YSPPGPGPAP PAAMALRNDL GSNINVLKTL NLRFRCFLAK VHELERRNRL LEKQLQQALE EGKQGRRGLG RRDQAVQTGF VSPIRPLGLQ LGARPAAVCS PSARVLGSPA RSPAGPLAPS AASLSSSSTS TSTTYSSSAR FMPGTIWSFS HARRLGPGLE PTLVQGPGLS WVHPDGVGVQ IDTITPEIRA LYNVLAKVKR ERDEYKRRWE EEYTVRIQLQ DRVNELQEEA QEADACQEEL ALKVEQLKAE LVVFKGLMSN NLSELDTKIQ EKAMKVDMDI CRRIDITAKL CDVAQQRNCE DMIQMFQVPS MGGRKRERKA AVEEDTSLSE SEGPRQPDGD EEESTALSIN EEMQRMLNQL REYDFEDDCD SLTWEETEET LLLWEDFSGY AMAAAEAQGE QEDSLEKVIK DTESLFKTRE KEYQETIDQI ELELATAKND MNRHLHEYME MCSMKRGLDV QMETCRRLIT QSGDRKSPAF TAVPLSDPPP PPSEAEDSDR DVSSDSSMR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make**

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 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:	IFFO1
Alternative Name:	IFFO1 (IFFO1 Products)
Background:	Non-homologous end joining factor IFFO1 (NHEJ factor IFFO1) (Intermediate filament family orphan 1) (Tumor antigen HOM-TES-103),FUNCTION: Nuclear matrix protein involved in the immobilization of broken DNA ends and the suppression of chromosome translocation during DNA double-strand breaks (DSBs) (PubMed:31548606). Interacts with the nuclear lamina component LMNA, resulting in the formation of a nucleoskeleton that relocalizes to the DSB sites in a XRCC4-dependent manner and promotes the immobilization of the broken ends, thereby preventing chromosome translocation (PubMed:31548606). Acts as a scaffold that allows the DNA repair protein XRCC4 and LMNA to assemble into a complex at the DSB sites (PubMed:31548606). {ECO:0000269|PubMed:31548606}.
Molecular Weight:	62.0 kDa
UniProt:	Q0D2I5

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