Datasheet for ABIN7555903

UBA7 Protein (AA 1-1012) (His tag)

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Overview

Quantity:	1 mg
Target:	UBA7
Protein Characteristics:	AA 1-1012
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBA7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant UBA7 Protein expressed in mammalian cells.
Sequence:	MDALDASKLL DEELYSRQLY VLGSPAMQRI QGARVLVSGL QGLGAEVAKN LVLMGVGSLT LHDPHPTCWS DLAAQFLLSE QDLERSRAEA SQELLAQLNR AVQVVVHTGD ITEDLLLDFQ VVVLTAAKLE EQLKVGTLCH KHGVCFLAAD TRGLVGQLFC DFGEDFTVQD PTEAEPLTAA IQHISQGSPG ILTLRKGANT HYFRDGDLVT FSGIEGMVEL NDCDPRSIHV REDGSLEIGD TTTFSRYLRG GAITEVKRPK TVRHKSLDTA LLQPHVVAQS SQEVHHAHCL HQAFCALHKF QHLHGRPPQP WDPVDAETVV GLARDLEPLK RTEEEPLEEP LDEALVRTVA LSSAGVLSPM VAMLGAVAAQ EVLKAISRKF MPLDQWLYFD ALDCLPEDGE LLPSPEDCAL RGSRYDGQIA VFGAGFQEKL RRQHYLLVGA GAIGCELLKV FALVGLGAGN SGGLTVVDMD HIERSNLSRQ FLFRSQDVGR PKAEVAAAAA RGLNPDLQVI PLTYPLDPTT EHIYGDNFFS RVDGVAAALD SFQARRYVAA RCTHYLKPLL EAGTSGTWGS ATVFMPHVTE AYRAPASAAA SEDAPYPVCT VRYFPSTAEH TLQWARHEFE ELFRLSAETI NHHQQAHTSL ADMDEPQTLT LLKPVLGVLR VRPQNWQDCV AWALGHWKLC FHYGIKQLLR HFPPNKVLED GTPFWSGPKQ CPQPLEFDTN

Product Details

	QDTHLLYVLA AANLYAQMHG LPGSQDWTAL RELLKLLPQP DPQQMAPIFA SNLELASASA EFGPEQQKEL NKALEVWSVG PPLKPLMFEK DDDSNFHVDF VVAAASLRCQ NYGIPPVNRA QSKRIVGQII PAIATTTAAV AGLLGLELYK VVSGPRPRSA FRHSYLHLAE NYLIRYMPFA PAIQTFHHLK WTSWDRLKVP AGQPERTLES LLAHLQEQHG LRVRILLHGS ALLYAAGWSP EKQAQHLPLR VTELVQQLTG QAPAPGQRVL VLELSCEGDD EDTAFPPLHY EL **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.**
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.
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:	UBA7
Alternative Name:	UBA7 (UBA7 Products)
Background:	Ubiquitin-like modifier-activating enzyme 7 (Ubiquitin-activating enzyme 7) (EC 6.2.1.-) (D8) (Ubiquitin-activating enzyme E1 homolog),FUNCTION: E1-activating enzyme that catalyzes the covalent conjugation of the ubiquitin-like protein product of ISG15 to additional interferon

Target Details

	stimulated proteins (ISGs) as well as other cellular proteins such as P53 in a process termed protein ISGylation (PubMed:27545325). Plays an essential role in antiviral immunity together with ISG15 by restricting the replication of many viruses including rabies virus, influenza virus, sindbis virus, rotavirus or human cytomegalovirus (PubMed:16254333, PubMed:19073728, PubMed:29056542, PubMed:29743376, PubMed:37722521). For example, ISG15 modification of influenza A protein NS1 disrupts the association of the NS1 with importin-alpha leading to NS1 nuclear import inhibition (PubMed:20133869). ISGylation of human cytomegalovirs protein UL26 regulates its stability and inhibits its activities to suppress NF-kappa-B signaling (PubMed:27564865). {ECO:0000269|PubMed:16254333, ECO:0000269|PubMed:19073728, ECO:0000269|PubMed:20133869, ECO:0000269|PubMed:27545325, ECO:0000269|PubMed:27564865, ECO:0000269|PubMed:29056542, ECO:0000269|PubMed:29743376, ECO:0000269|PubMed:37722521}.
Molecular Weight:	111.7 kDa
UniProt:	P41226

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