Datasheet for ABIN7555205

RENT2/UPF2 Protein (AA 1-1272) (His tag)

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Overview

Quantity:	1 mg
Target:	RENT2/UPF2 (UPF2)
Protein Characteristics:	AA 1-1272
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RENT2/UPF2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant UPF2 Protein expressed in mammalian cells.
Sequence:	MPAERKKPAS MEEKDSLPNN KEKDCSERRT VSSKERPKDD IKLTAKKEVS KAPEDKKKRL EDDKRKKEDK ERKKKDEEKV KAEEESKKKE EEEKKKHQEE ERKKQEEQAK RQQEEEAAAQ MKEKEESIQL HQEAWERHHL RKELRSKNQN APDSRPEENF FSRLDSSLKK NTAFVKKLKT ITEQQRDSLS HDFNGLNLSK YIAEAVASIV EAKLKISDVN CAVHLCSLFH QRYADFAPSL LQVWKKHFEA RKEEKTPNIT KLRTDLRFIA ELTIVGIFTD KEGLSLIYEQ LKNIINADRE SHTHVSVVIS FCRHCGDDIA GLVPRKVKSA AEKFNLSFPP SEIISPEKQQ PFQNLLKEYF TSLTKHLKRD HRELQNTERQ NRRILHSKGE LSEDRHKQYE EFAMSYQKLL ANSQSLADLL DENMPDLPQD KPTPEEHGPG IDIFTPGKPG EYDLEGGIWE DEDARNFYEN LIDLKAFVPA ILFKDNEKSC QNKESNKDDT KEAKESKENK EVSSPDDLEL ELENLEINDD TLELEGGDEA EDLTKKLLDE QEQEDEEAST GSHLKLIVDA FLQQLPNCVN RDLIDKAAMD FCMNMNTKAN RKKLVRALFI VPRQRLDLLP FYARLVATLH PCMSDVAEDL CSMLRGDFRF HVRKKDQINI ETKNKTVRFI GELTKFKMFT KNDTLHCLKM LLSDFSHHHI EMACTLLETC GRFLFRSPES

Product Details

	HLRTSVLLEQ MMRKKQAMHL DARYVTMVEN AYYYCNPPPA EKTVKKKRPP LQEYVRKLLY KDLSKVTTEK VLRQMRKLPW QDQEVKDYVI CCMINIWNVK YNSIHCVANL LAGLVLYQED VGIHVVDGVL EDIRLGMEVN QPKFNQRRIS SAKFLGELYN YRMVESAVIF RTLYSFTSFG VNPDGSPSSL DPPEHLFRIR LVCTILDTCG QYFDRGSSKR KLDCFLVYFQ RYVWWKKSLE VWTKDHPFPI DIDYMISDTL ELLRPKIKLC NSLEESIRQV QDLEREFLIK LGLVNDKDSK DSMTEGENLE EDEEEEEGGA ETEEQSGNES EVNEPEEEEG SDNDDDEGEE EEEENTDYLT DSNKENETDE ENTEVMIKGG GLKHVPCVED EDFIQALDKM MLENLQQRSG ESVKVHQLDV AIPLHLKSQL RKGPPLGGGE GEAESADTMP FVMLTRKGNK QQFKILNVPM SSQLAANHWN QQQAEQEERM RMKKLTLDIN ERQEQEDYQE MLQSLAQRPA PANTNRERRP RYQHPKGAPN ADLIFKTGGR RR **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:	RENT2/UPF2 (UPF2)

Target Details

Alternative Name:	UPF2 (UPF2 Products)
Background:	Regulator of nonsense transcripts 2 (Up-frameshift suppressor 2 homolog) (hUpf2),FUNCTION: Involved in nonsense-mediated decay (NMD) of mRNAs containing premature stop codons by associating with the nuclear exon junction complex (EJC). Recruited by UPF3B associated with the EJC core at the cytoplasmic side of the nuclear envelope and the subsequent formation of an UPF1-UPF2-UPF3 surveillance complex (including UPF1 bound to release factors at the stalled ribosome) is believed to activate NMD. In cooperation with UPF3B stimulates both ATPase and RNA helicase activities of UPF1. Binds spliced mRNA. {ECO:0000269|PubMed:11163187, ECO:0000269|PubMed:16209946, ECO:0000269|PubMed:18066079}.
Molecular Weight:	147.8 kDa
UniProt:	Q9HAU5

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