Datasheet for ABIN7555140

FIP200 Protein (AA 1-1594) (His tag)

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Overview

Quantity:	1 mg
Target:	FIP200 (RB1CC1)
Protein Characteristics:	AA 1-1594
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FIP200 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RB1CC1 Protein expressed in mammalian cells.
Sequence:	MKLYVFLVNT GTTLTFDTEL TVQTVADLKH AIQSKYKIAI QHQVLVVNGG ECMAADRRVC TYSAGTDTNP IFLFNKEMIL CDRPPAIPKT TFSTENDMEI KVEESLMMPA VFHTVASRTQ LALEMYEVAK KLCSFCEGLV HDEHLQHQGW AAIMANLEDC SNSYQKLLFK FESIYSNYLQ SIEDIKLKLT HLGTAVSVMA KIPLLECLTR HSYRECLGRL DSLPEHEDSE KAEMKRSTEL VLSPDMPRTT NESLLTSFPK SVEHVSPDTA DAESGKEIRE SCQSTVHQQD ETTIDTKDGD LPFFNVSLLD WINVQDRPND VESLVRKCFD SMSRLDPRII RPFIAECRQT IAKLDNQNMK AIKGLEDRLY ALDQMIASCG RLVNEQKELA QGFLANQKRA ENLKDASVLP DLCLSHANQL MIMLQNHRKL LDIKQKCTTA KQELANNLHV RLKWCCFVML HADQDGEKLQ ALLRLVIELL ERVKIVEALS TVPQMYCLAV VEVVRRKMFI KHYREWAGAL VKDGKRLYEA EKSKRESFGK LFRKSFLRNR LFRGLDSWPP SFCTQKPRKF DCELPDISLK DLQFLQSFCP SEVQPFLRVP LLCDFEPLHQ HVLALHNLVK AAQSLDEMSQ TITDLLSEQK ASVSQTSPQS ASSPRMESTA GITTTTSPRT PPPLTVQDPL CPAVCPLEEL SPDSIDAHTF DFETIPHPNI EQTIHQVSLD

	LDSLAESPES DFMSAVNEFV IEENLSSPNP ISDPQSPEMM VESLYSSVIN AIDSRRMQDT NVCGKEDFGD HTSLNVQLER CRVVAQDSHF SIQTIKEDLC HFRTFVQKEQ CDFSNSLKCT AVEIRNIIEK VKCSLEITLK EKHQKELLSL KNEYEGKLDG LIKETEENEN KIKKLKGELV CLEEVLQNKD NEFALVKHEK EAVICLQNEK DQKLLEMENI MHSQNCEIKE LKQSREIVLE DLKKLHVEND EKLQLLRAEL QSLEQSHLKE LEDTLQVRHI QEFEKVMTDH RVSLEELKKE NQQIINQIQE SHAEIIQEKE KQLQELKLKV SDLSDTRCKL EVELALKEAE TDEIKILLEE SRAQQKETLK SLLEQETENL RTEISKLNQK IQDNNENYQV GLAELRTLMT IEKDQCISEL ISRHEEESNI LKAELNKVTS LHNQAFEIEK NLKEQIIELQ SKLDSELSAL ERQKDEKITQ QEEKYEAIIQ NLEKDRQKLV SSQEQDREQL IQKLNCEKDE AIQTALKEFK LEREVVEKEL LEKVKHLENQ IAKSPAIDST RGDSSSLVAE LQEKLQEEKA KFLEQLEEQE KRKNEEMQNV RTSLIAEQQT NFNTVLTREK MRKENIINDL SDKLKSTMQQ QERDKDLIES LSEDRARLLE EKKKLEEEVS KLRSSSFVPS PYVATAPELY GACAPELPGE SDRSAVETAD EGRVDSAMET SMMSVQENIH MLSEEKQRIM LLERTLQLKE EENKRLNQRL MSQSMSSVSS RHSEKIAIRD FQVGDLVLII LDERHDNYVL FTVSPTLYFL HSESLPALDL KPGEGASGAS RRPWVLGKVM EKEYCQAKKA QNRFKVPLGT KFYRVKAVSW NKKV **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)

Product Details

Grade:	custom-made

Target Details

Target:	FIP200 (RB1CC1)
Alternative Name:	RB1CC1 (RB1CC1 Products)
Background:	RB1-inducible coiled-coil protein 1 (FAK family kinase-interacting protein of 200 kDa) (FIP200),FUNCTION: Involved in autophagy (PubMed:21775823). Regulates early events but also late events of autophagosome formation through direct interaction with Atg16L1 (PubMed:23392225). Required for the formation of the autophagosome-like double-membrane structure that surrounds the Salmonella-containing vacuole (SCV) during S.typhimurium infection and subsequent xenophagy (By similarity). Involved in repair of DNA damage caused by ionizing radiation, which subsequently improves cell survival by decreasing apoptosis (By similarity). Inhibits PTK2/FAK1 and PTK2B/PYK2 kinase activity, affecting their downstream signaling pathways (PubMed:10769033, PubMed:12221124). Plays a role as a modulator of TGF-beta-signaling by restricting substrate specificity of RNF111 (By similarity). Functions as a DNA-binding transcription factor (PubMed:12095676). Is a potent regulator of the RB1 pathway through induction of RB1 expression (PubMed:14533007). Plays a crucial role in muscular differentiation (PubMed:12163359). Plays an indispensable role in fetal hematopoiesis and in the regulation of neuronal homeostasis (By similarity). {ECO:0000250|UniProtKB:Q9ESK9, ECO:0000269|PubMed:10769033, ECO:0000269|PubMed:12095676, ECO:0000269|PubMed:12163359, ECO:0000269|PubMed:12221124, ECO:0000269|PubMed:14533007, ECO:0000269|PubMed:21775823, ECO:0000269|PubMed:23392225}.
Molecular Weight:	183.1 kDa
UniProt:	Q8TDY2
Pathways:	Regulation of Cell Size, Autophagy

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