

Datasheet for ABIN7552701

BIRC7 Protein (AA 1-298) (His tag)



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Overview

Quantity:	1 mg
Target:	BIRC7
Protein Characteristics:	AA 1-298
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BIRC7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant BIRC7 Protein expressed in mammalian cells.
Sequence:	<p>MGPKDSAKCL HRGPQPSHWA AGDGPTQERC GPRSLGSPVL GLDTCRAWDH VDGQILGQLR</p> <p>PLTEEEEEEG AGATLSRGPA FPGMGSEELR LASFYDWPLT AEVPPPELLAA AGFFHTGHQD</p> <p>KVRCFFCYGG LQSWKRGDDP WTEHAKWFPS CQFLLRSGR DVFHSVQETH SLLGSDPW</p> <p>EEPEDAAPVA PSVPASGYPE LPTPRREVQS ESAQEPGGVS PAEAQRAWWV LEPPGARDVE</p> <p>AQLRRLQEER TCKVCLDRAV SIVFVPCGHL VCAECAPGLQ LCPICRAPVR SRVRTFLS Sequence</p> <p>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.</p>
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:

Product Details

- 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:	BIRC7
Alternative Name:	BIRC7 (BIRC7 Products)
Background:	<p>Baculoviral IAP repeat-containing protein 7 (EC 2.3.2.27) (Kidney inhibitor of apoptosis protein) (KIAP) (Livin) (Melanoma inhibitor of apoptosis protein) (ML-IAP) (RING finger protein 50) (RING-type E3 ubiquitin transferase BIRC7) [Cleaved into: Baculoviral IAP repeat-containing protein 7 30 kDa subunit (Truncated livin) (p30-Livin) (tLivin)],FUNCTION: Apoptotic regulator capable of exerting proapoptotic and anti-apoptotic activities and plays crucial roles in apoptosis, cell proliferation, and cell cycle control (PubMed:11162435, PubMed:11024045, PubMed:11084335, PubMed:16729033, PubMed:17294084). Its anti-apoptotic activity is mediated through the inhibition of CASP3, CASP7 and CASP9, as well as by its E3 ubiquitin-protein ligase activity (PubMed:11024045, PubMed:16729033). As it is a weak caspase inhibitor, its anti-apoptotic activity is thought to be due to its ability to ubiquitinate DIABLO/SMAC targeting it for degradation thereby promoting cell survival (PubMed:16729033). May contribute to caspase inhibition, by blocking the ability of DIABLO/SMAC to disrupt XIAP/BIRC4-caspase interactions (PubMed:16729033). Protects against apoptosis induced by TNF or by chemical agents such as adriamycin, etoposide or staurosporine</p>

Target Details

(PubMed:11162435, PubMed:11084335, PubMed:11865055). Suppression of apoptosis is mediated by activation of MAPK8/JNK1, and possibly also of MAPK9/JNK2 (PubMed:11865055). This activation depends on TAB1 and MAP3K7/TAK1 (PubMed:11865055). In vitro, inhibits CASP3 and proteolytic activation of pro-CASP9 (PubMed:11024045). {ECO:0000269|PubMed:11024045, ECO:0000269|PubMed:11084335, ECO:0000269|PubMed:11162435, ECO:0000269|PubMed:11865055, ECO:0000269|PubMed:16729033, ECO:0000269|PubMed:17294084}., FUNCTION: [Isoform 1]: Blocks staurosporine-induced apoptosis (PubMed:11322947). Promotes natural killer (NK) cell-mediated killing (PubMed:18034418). {ECO:0000269|PubMed:11322947, ECO:0000269|PubMed:18034418}., FUNCTION: [Isoform 2]: Blocks etoposide-induced apoptosis (PubMed:11162435, PubMed:11322947). Protects against natural killer (NK) cell-mediated killing (PubMed:18034418). {ECO:0000269|PubMed:11162435, ECO:0000269|PubMed:11322947, ECO:0000269|PubMed:18034418}.

Molecular Weight: 32.8 kDa

UniProt: [Q96CA5](#)

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