Datasheet for ABIN7563953

BIRC2 Protein (AA 1-612) (His tag)

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Overview

Quantity:	1 mg
Target:	BIRC2
Protein Characteristics:	AA 1-612
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BIRC2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Birc2 Protein expressed in mammalien cells.
Sequence:	MDKTVSQRLG QGTLHQKLKR IMEKSTILSN WTKESEEKMK FDFSCELYRM STYSAFPRGV PVSERSLARA GFYYTGVNDK VKCFCCGLML DNWKQGDSPV EKHRQFYPSC SFVQTLLSAS LQSPSKNMSP VKSRFAHSSP LERGGIHSNL CSSPLNSRAV EDFSSRMDPC SYAMSTEEAR FLTYSMWPLS FLSPAELARA GFYYIGPGDR VACFACGGKL SNWEPKDDAM SEHRRHFPHC PFLENTSETQ RFSISNLSMQ THSARLRTFL YWPPSVPVQP EQLASAGFYY VDRNDDVKCF CCDGGLRCWE PGDDPWIEHA KWFPRCEFLI RMKGQEFVDE IQARYPHLLE QLLSTSDTPG EENADPTETV VHFGPGESSE DVVMMSTPVV KAALEMGFSR SLVRQTVQRQ ILATGENYRT VNDIVSVLLN AEDERREEEK ERQTEEMASG DLSLIRKNRM ALFQQLTHVL PILDNLLEAS VITKQEHDII RQKTQIPLQA RELIDTVLVK GNAAANIFKN SLKEIDSTLY ENLFVEKNMK YIPTEDVSGL SLEEQLRRLQ EERTCKVCMD REVSIVFIPC GHLVVCQECA PSLRKCPICR GTIKGTVRTF LS **Sequence without tag. The proposed Purification-Tag is based on**

Product Details

	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.
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:	BIRC2
Alternative Name:	Birc2 (BIRC2 Products)
Background:	Baculoviral IAP repeat-containing protein 2 (EC 2.3.2.27) (Cellular inhibitor of apoptosis 1) (C-IAP1) (Inhibitor of apoptosis protein 2) (mIAP2) (RING-type E3 ubiquitin transferase BIRC2),FUNCTION: Multi-functional protein which regulates not only caspases and apoptosis, but also modulates inflammatory signaling and immunity, mitogenic kinase signaling, and cell proliferation, as well as cell invasion and metastasis. Acts as an E3 ubiquitin-protein ligase regulating NF-kappa-B signaling and regulates both canonical and non-canonical NF-kappa-B signaling by acting in opposite directions: acts as a positive regulator of the canonical pathway and suppresses constitutive activation of non-canonical NF-kappa-B signaling. The target proteins for its E3 ubiquitin-protein ligase activity include: RIPK1, RIPK2, RIPK3, RIPK4, CASP3, CASP7, CASP8, TRAF2, DIABLO/SMAC, MAP3K14/NIK, MAP3K5/ASK1, IKBKG/NEMO, IKBKE and MXD1/MAD1. Can also function as an E3 ubiquitin-protein ligase of the NEDD8 conjugation

Target Details

	pathway, targeting effector caspases for neddylation and inactivation. Acts as an important regulator of innate immune signaling via regulation of Toll-like receptors (TLRs), Nodlike receptors (NLRs) and RIG-I like receptors (RLRs), collectively referred to as pattern recognition receptors (PRRs). Protects cells from spontaneous formation of the ripoptosome, a large multi-protein complex that has the capability to kill cancer cells in a caspase-dependent and caspase-independent manner. Suppresses ripoptosome formation by ubiquitinating RIPK1 and CASP8. Can stimulate the transcriptional activity of E2F1. Plays a role in the modulation of the cell cycle. {ECO:0000269|PubMed:18621737}.
Molecular Weight:	69.7 kDa
UniProt:	Q62210
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, Activation of Innate immune Response, Toll-Like Receptors Cascades

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