

Product datasheet for TP522132

Birc2 (NM_007465) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse baculoviral IAP repeat-containing 2 (Birc2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	<p>>MR222132 representing NM_007465</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MDKTVSQRLGQGTTLHQKLKRIMEKSTILSNWTKESSEKMKFDFSCELYRMSTYSAPRGVPVVSERSLARA GFYYTGVDKVKCFCCGLMLDNWKQGDSPVEKHRQFYPCSFVQTLLSASLQSPSKNMSPVKSRAHSS P LERGGIHSNLCSSPLNSRAVEDFSSRMDPCSYAMSTEEARFLTYSMWPLSFLSPAELARAGFFYYIGPDDR VACFACGGKLSNWEPKDDAMSEHRRHFPHCFLENTSETQRFSISNLSMQTHSARLRTFLYWPPSPVQ P EQLASAGFFYYVDRNDDVKCFCCDGGRLCWEPGDDPWIEHAKWFPRCEFLIRMGQEFVDEIQARYPHLL E QLLSTSDTPGEENADPTETVHFGPGESSEDVMMSTPVVKAALMGFSRSLVRQTVQRQILATGENYRT VNDIVSVLLNAEDERREEEKERQTEEMASGDLSLRKNRMALFQQLTHVLPILDNLLEASVITKQEHDI RQKTQIPLQARELIDTVLVKGNAANIFKNSLKEIDSTLYENLFVEKNMKYIPTEDVSGLSLEEQLRRLQ EERTCKVCMDREVSIVFPCGHLVVCQECAPSLRKCPICRGTIKGTVRTFLS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	70.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.


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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_031491
Locus ID:	11797
UniProt ID:	Q62210
RefSeq Size:	3155
Cytogenetics:	9 A1
RefSeq ORF:	1836
Synonyms:	Api1; Api2; AW146227; Birc3; C-IAP1; C330006D17Rik; cIAP1; cIAP2; HIAP1; HIAP2; IAP1; IAP2
Summary:	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 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.[UniProtKB/Swiss-Prot Function]