

Recombinant Mouse BIRC5 Protein (1-140 aa), His-tagged

Cat. No. BIRC5-1341M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse BIRC5 Protein (1-140 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	Yeast
ProteinLength	1-140 aa
Description	Multitasking protein that has dual roles in promoting cell proliferation and preventing apoptosis. Component of a chromosome passage protein complex (CPC) which is essential for chromosome alignment and segregation during mitosis and cytokinesis. Acts as an important regulator of the localization of this complex; directs CPC movement to different locations from the inner centromere during prometaphase to midbody during cytokinesis and participates in the organization of the center spindle by associating with polymerized microtubules. The complex with RAN plays a role in mitotic spindle formation by serving as a physical scaffold to help deliver the RAN effector molecule TPX2 to microtubules. May counteract a default induction of apoptosis in G2/M phase. The acetylated form represses STAT3 transactivation of target gene promoters. May play a role in neoplasia. Inhibitor of CASP3 and CASP7.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	18.3 kDa

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AA Sequence	MGAPALPQIWQLYLKNYRIATFKNWPFLDCACTPERMAEAGFIHCPTENEPDLAQ CFFCFKELEGWEPDDNPIEEHRKHSPGCAFLTVKKQMEELTVSEFLKLDQRQAKNKI AKETNNKQKEFEETAKTTRQSIEQLAA
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	Birc5 baculoviral IAP repeat-containing 5 [Mus musculus]
Official Symbol	BIRC5
Synonyms	BIRC5; survivin; Api4; TIAP; AAC-11; survivin40;
Gene ID	11799
mRNA Refseq	NM_001012273
Protein Refseq	NP_001012273

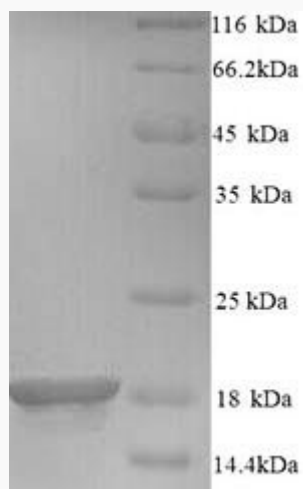
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UniProt ID

O70201



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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