

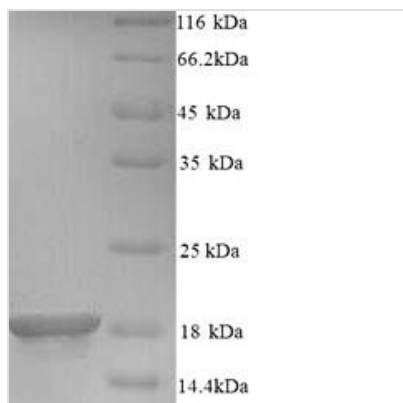


# Recombinant Mouse Baculoviral IAP repeat-containing protein 5 (Birc5)

<b>Product Code</b>	CSB-YP002706MO
<b>Relevance</b>	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 .
<b>Abbreviation</b>	Recombinant Mouse Birc5 protein
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O70201
<b>Alias</b>	Apoptosis inhibitor 4;Apoptosis inhibitor survivin;TIAP
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MGAPALPQIWQLYLKKNYRIATFKNWPFLEDCACTPERMAEAGFIHCPTENEPD LAQCFFCFKELEGWEPDDNPIEEHHRKHSPGCAFLT VKKQMEELTVSEFLKLDR QRAKNKIAKETNNKQKEFEETAKTTTQRSIEQLAA
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	Birc5
<b>Protein Names</b>	Recommended name: Baculoviral IAP repeat-containing protein 5 Alternative name(s): Apoptosis inhibitor 4 Apoptosis inhibitor survivin TIAP
<b>Expression Region</b>	1-140aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	18.3kDa


**Protein Length**

Full Length

**Image**


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

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

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