

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

Catalog No: #AP70083

Package Size: #AP70083-1 20ug #AP70083-2 100ug #AP70083-3 1mg

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Description

Product Name	Recombinant Mouse Baculoviral IAP repeat-containing protein 5(Birc5)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-140aaSequence Info:Full Length
Other Names	Apoptosis inhibitor 4;Apoptosis inhibitor survivin;TIAP
Accession No.	O70201
Calculated MW	32.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MGAPALPQIWQLYLKKNYRIATFKNWPFLDCACTPERMAEAGFIHCPTENEPDLAQCFKCFKELEGWEPDDN PIEEHRKHSPGCAFLT VKKQMEELTVSEFLKLDQRQAKNKIAKETNNKQKEFEETAKTTRQSIEQLAA
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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 .

References

Crystal structure and mutagenic analysis of the inhibitor-of-apoptosis protein survivin.Muchmore S.W., Chen J., Jakob C., Zakula D., Matayoshi E.D., Wu W., Zhang H., Li F., Ng S.C., Altieri D.C.Mol. Cell 6:173-182(2000) Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.