Recombinant Homo sapiens BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like

Catalog No: #AP72457

Package Size: #AP72457-1 20ug #AP72457-2 100ug #AP72457-3 1mg

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Description

Product Name	Recombinant Homo sapiens BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-219aaSequence Info:Full Length
Other Names	Adenovirus E1B19K-binding protein B5 BCL2,adenovirus E1B 19KDA protein-interacting protein 3A NIP3-like protein X Short name: NIP3L
Accession No.	O60238
Uniprot	O60238
GeneID	665;
Calculated MW	25.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSSHLVEPPPPLHNNNNNCEENEQSLPPPAGLNSSWVELPMNSSNGNDNGNGKNGGLEHVPSSSSIHNGD MEKILLDAQHESGQSSSRGSSHCDSPSPQEDGQIMFDVEMHTSRDHSSQSEEEVVEGEKEVEALKKSADWV SDWSSRPENIPPKEFHFRHPKRSVSLSMRKSGAMKKGGIFSAEFLKVFIPSLFLSHVLALGLGIYIGKRLSTPSA STY
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

Induces apoptosis. Interacts with viral and cellular anti-apoptosis proteins. Can overcome the suppressors BCL-2 and BCL-XL, although high levels of BCL-XL expression will inhibit apoptosis. Inhibits apoptosis induced by BNIP3. Involved in mitochondrial quality control via its interaction with SPATA18,MIEAP: in response to mitochondrial damage, participates to mitochondrial protein catabolic process (also named MALM) leading to the degradation of damaged proteins inside mitochondria. The physical interaction of SPATA18,MIEAP, BNIP3 and BNIP3L,NIX at the mitochondrial outer membrane regulates the opening of a pore in the mitochondrial double membrane in order to mediate the translocation of lysosomal proteins from the cytoplasm to the mitochondrial matrix. May function as a tumor suppressor.

References

"The proapoptotic factor Nix is coexpressed with Bcl-xL during terminal erythroid differentiation."
Aerbajinai W., Giattina M., Lee Y.T., Raffeld M., Miller J.L.Blood 102:712-717(2003)Research Topic:Cancer

Note: This product is for in vitro research use only