

Recombinant human Trichoplein keratin filament-binding protein

Catalog No: #AP71561

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Package Size: #AP71561-1 20ug #AP71561-2 100ug #AP71561-3 1mg

Description

Product Name	Recombinant human Trichoplein keratin filament-binding protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-498aaSequence Info:Full Length
Other Names	Mitochondrial protein with oncostatic activity ;Mitostatin;Tumor suppressor protein
Accession No.	Q9BT92
Uniprot	Q9BT92
GeneID	84260;
Calculated MW	77.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MALPTLPSYWCSQQRLNQLARQREQEARLRQQWEQNSRYFRMSDICSSKQAEWSSKTSYQRSMHAYQR EKMKEEKRRSLEARREKLRQLMQEEQDLLARELEELRLSMNLQERRIREQHGKLSAKEEQRKLIAEQLLYEH WKNNPKLREMELDLHQKHVNSWEMQKEEKQQEATAEQENKRYENEYERARREALERMKAEEERRQLE DKLQAEALLQMEELKLKEVEATKLKKEQENLLKQRWELERLEEERKQMEAFRQKAELGRFLRHQYNAQLSR RTQQIQEELEADRRILQALLEKEDESQRLHLARREQVMADVAVMMQAIIEEQLQLERAREAEQMLLREEAKE MWEKREAEWARERSARDRLMSEVLTGRQQIQEKIEQNRRRAQEESLKHREQLIRNLEEVRRELARREKEESEK LKSARKQELEAQAERRLQAWQADQQEEEEEEARRVEQLSDALLQQEAETMAEQGYRPKPYGHPKIAWN
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

Tumor suppressor which has the ability to inhibit cell growth and be pro-apoptotic during cell stress. Inhibits cell growth in bladder and prostate cancer cells by a down-regulation of HSPB1 by inhibiting its phosphorylation. May act as a 'capping' or 'branching' protein for keratin filaments in the cell periphery. May regulate K8,K18 filament and desmosome organization mainly at the apical or peripheral regions of simple epithelial cells.

References

MITOSTATIN, a putative tumor suppressor on chromosome 12q24.1, is downregulated in human bladder and breast cancer.Vecchione A., Fassin M., Anesti V., Morrione A., Goldoni S., Baldassarre G., Byrne D., D'Arca D., Palazzo J.P., Lloyd J., Scorrano L., Gomella L.G., Iozzo R.V., Baffa R.Oncogene 28:257-269(2009)Research Topic:Cancer

Note: This product is for in vitro research use only