

Recombinant Human TCHP Protein (1-498 aa), His-SUMO-tagged

Cat. No. TCHP-1134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TCHP Protein (1-498 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cancer. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-498 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	77.1 kDa
AA Sequence	MALPTLPSYWCSQQRLNQQRLARQREQEARLRQQWEQNSRYFRMSDICSSKQAEW SSKTSYQRSMHAYQREKMKEEKRRSLEARREKLRQLMQEEQDLLARELEELRLSM NLQERRIREQHGKLKSAKEEQRKLIAEQLLYEHWKNNPKLREMELDLHQKHVVNS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

WEMQKEEKKQQEATAEQENKRYENEYERARREALERMKAEEERRQLEDKLQAEAL
 LQQMEELKLKEVEATKLKKEQENLLKQRWELERLEEERKQMEAFRQKAELGRFLRH
 QYNAQLSRRTQQIQEELEADRRILQALLEKEDESQRLHLARREQVMADVAWMKQAI
 EEQLQLERAREAELQMLLREEAKEMWEKREAEWARERSARDRLMSEVLTGRQQQI
 QEKIEQNRRAQEESLKHREQLIRNLEEVRERLARREKEESEKLKSARKQELEAQVAER
 RLQAWAADQEEEEEEEEARRVEQLSDALLQQEAETMAEQGYRPKPYGHPKIAWN

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 concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name TCHP trichoplein, keratin filament binding [Homo sapiens]

Official Symbol TCHP

Synonyms TCHP; MGC10854; mitostatin; TpMs;

Gene ID 84260

mRNA Refseq NM_001143852

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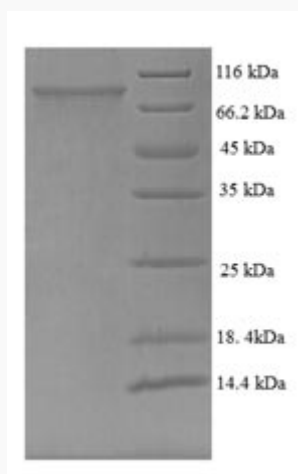
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Protein Refseq NP_001137324

MIM 612654

UniProt ID Q9BT92



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

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