Recombinant Full Length Human TP63 Protein, C-Flag-tagged

Cat. No. TP63-1244HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TP63 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the p53 family of transcription factors. The functional domains of p53 family proteins include an N-terminal transactivation domain, a central DNA-binding domain and an oligomerization domain. Alternative splicing of this gene and the use of alternative promoters results in multiple transcript variants encoding dif ferent isoforms that vary in their functional properties. These isoforms function during skin development and maintenance, adult stem/progenitor cell regulation, heart devel opment and premature aging. Some isoforms have been found to protect the germlin e by eliminating oocytes or testicular germ cells that have suffered DNA damage. Mut ations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndr ome 3 (EEC3); split-hand/foot malformation 4 (SHFM4); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acro-dermato-ungual-lacrimal-tooth); limb-mammary syndrome; Rap-Hodgkin syndrome (RHS); and orofacial cleft 8.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	76.6 kDa
AA Sequence	MNFETSRCATLQYCPDPYIQRFVETPAHFSWKESYYRSTMSQSTQTNEFLSPEVFQ

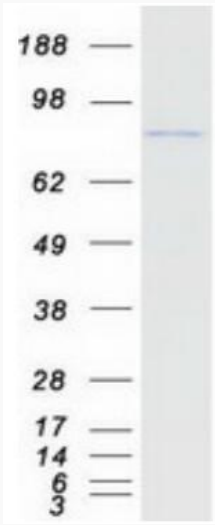
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	HIWDFLEQPICSVQ PIDLNFVDEPSEDGATNKIEISMDCIRMQDSDLSDPMWPQYTN LGLLNSMDQQIQNGSSSTSPYNTDHAQ NSVTAPSPYAQPSSTFDALSPSPAIPSNT DYPGPHSFDVSFQQSSTAKSATWTYSTELKKLYCQIAKTCP IQIKVMTPPPQGAVIR AMPVYKKAEHVTEVVKRCPNHELSREFNEGQIAPPSHLIRVEGNSHAQYVEDPI TG RQSVLVPYEPPQVGTEFTTVLYNFMCNSSCVGGMNRRPILIIVTLETRDGQVLGRRC FEARICACPGR DRKADEDSIRKQQVSDSTKNGDGTKRPFRQNTHGIQMTSIKKRRS PDDELLYLPVRGRETYEMLLKIKES LELMQYLPQHTIETYRQQQQQQHQHLLQKQT SIQSPSSYGNSSPPLNKMNSMNKLPSVSQLINPQQRNAL TPTTIPDGMGANIPMMG THMPMAGDMNGLSPTQALPPPLSMPSTSHCTPPPPYPTDCSIVSFLARLGCSS CLD YFTTQGLTTIYQIEHYSMDDLASLKIPEQFRHAIWKGILDHRQLHEFSSPSHLLRTPSS ASTVSVGS SETRGERVIDAVRFTLRQTISFPPRDEWNDFNFDMDARRNKQQRIKEEGETRTRPL EQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

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GENE INFORMATION

Gene Name	TP63 tumor protein p63 [Homo sapiens (human)]
Official Symbol	TP63
Synonyms	AIS; KET; LMS; NBP; RHS; p40; p51; p63; EEC3; OFC8; p73H; p73L; SHFM4; TP53L; TP73L; p53CP; TP53CP; B(p51A); B(p51B)
Gene ID	8626
mRNA Refseq	NM_003722.5
Protein Refseq	NP_003713.3
MIM	603273
UniProt ID	Q9H3D4



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Coomassie blue staining of purified TP63 protein.

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