

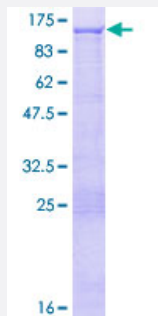
Full-Length

TP63 (Human) Recombinant Protein (P01)

Catalog # H00008626-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human TP63 full-length ORF (NP_003713.3, 1 a.a. - 680 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNFETSRCATLQYCPDPYIQRVETPAHFSWKESYYRSTMSQSTQTNEFLSPEVFQHIWDFLEQPI
CSVQPIDLNFVDEPSEDGATNKIEISMDCIRMQDSLDSPMWPQYTNLGLLSMDQQIQNGSSST
SPYNTDHAQNSVTAPSPYAQPSSTFDALSPSPAIPSN TDYPGPHSFDVSFQQSSSTAKSATWTYST
ELKKLYCQIAKTCPIQIKVMTPPPQGAVIRAMPVYKKAHVTEVVKRCPNHEL SREFNEGQIAPPS
HLIRVEGN SHAQYVEDPITGRQSVLVPYEPPQVGTEFTTVLYNFM CNSSCVGGMNRRPILIVTLET
RDGQVLGRRCFEARICACPRDRKADEDSIRKQQVSDSTKNGDGTRPFQRQNT HGIQMTSIKKR
RSPDDELLYLPVRGRETYEMLLKIKESLELMQYLPQHTIETYRQQQQQQHQHLLQKQTSIQSPSSY
GNSSPPLNKMNSMNKLPSVSQLINPQQRNALTP TTPDGMGANIPMMGTHMPMAGDMNGLSPTQ
ALPPPLSMPSTSHCTPPPPYPTDCSIVSFLARLGCSSCLDYFTTQGLTTIYQIEHYSMD DLASLKIPE
QFRHAWKGILDHRQLHEFSSPSHLLRTPSSASTVSVGSSETRGERVIDAVRFTLRQTISFPPRDE
WNDFNFDMDARRNKQQRIKEEGE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

103.2

Interspecies Antigen Sequence

Mouse (98); Rat (98)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TP63

Entrez GeneID	8626
GeneBank Accession#	NM_003722.3
Protein Accession#	NP_003713.3
Gene Name	TP63
Gene Alias	AIS, B(p51A), B(p51B), EEC3, KET, LMS, NBP, OFC8, RHS, SHFM4, TP53CP, TP53L, TP73L, p40, p51, p53CP, p63, p73H, p73L
Gene Description	tumor protein p63
Omim ID	103285 106260 129400 603273 603543 604292 605289
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the p53 family of transcription factors. An animal model, p63 ^{-/-} mice, has been useful in defining the role this protein plays in the development and maintenance of stratified epithelial tissues. p63 ^{-/-} mice have several developmental defects which include the lack of limbs and other tissues, such as teeth and mammary glands, which develop as a result of interactions between mesenchyme and epithelium. Mutations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndrome 3 (EEC3); split-hand/foot malformation 4 (SHFM4); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acro-dermato-ungual-lacrima-tooth); limb-mammary syndrome; Rap-Hodgkin syndrome (RHS); and orofacial cleft 8. Both alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different proteins. Many transcripts encoding different proteins have been reported but the biological validity and the full-length nature of these variants have not been determined. [provided by RefSeq]

Other Designations

amplified in squamous cell carcinoma|chronic ulcerative stomatitis protein|keratinocyte transcription factor|transformation-related protein 63|tumor protein p53-competing protein|tumor protein p53-like|tumor protein p73-like

Publication Reference

- [Global tumor protein p53/p63 interactome: making a case for cisplatin chemoresistance.](#)

Huang Y, Jeong JS, Okamura J, Sook-Kim M, Zhu H, Guerrero-Preston R, Ratovitski EA.

Cell Cycle 2012 Jun; 11(12):2367.

Application: Array, Human, SCC cell

Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Carcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition Disorders](#)
- [Ectodermal Dysplasia](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Neoplasm Invasiveness](#)

- [Pulmonary Disease](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)