



Recombinant Rat Tumor protein 63 (Tp63)

Product Code	CSB-YP884930RA
Abbreviation	Tp63
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.
Uniprot No.	Q9JJP6
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MNFETSRCAT LQYCPDPYIQ RFIETPSHFS WKESYYRSAM SQSTQTSEFL SPEVFQHIWD FLEQPICSVQ PIDLNFVDEP SENGATNKIE ISMDCIRMQD SDLSDPMPWPQ YTNLGLLNGM DQQIQNGSSS TSPYNTDHAQ NSVTAPSPYA QPSSTFDALS PSPAIPSNTD YPGPHSFDVS FQQSSTAKSA TWTYSELK LYCQIAKTCP IQIKVMTPPP QGAVIRAMPV YKKAHVTEV VKRCPNHLS REFNEGQIAP PSHLIRVEGN SHAQYVEDPI TGRQSVLPY EPPQVGTEFT TVLYNFM CNS SCVGGMNRRP ILIIVTLETR DGQVLGRRCF EARICACPGR DRKAEDSIR KQVSDSAKN GDGTRPFRQ NTHGIQMTSI KKRRSPDDEL LYLPVRGRET YEMLLKIKES LELMQYLPQH TIETYRQQQQ QHQHLLQKQ TSMQSQSSYG NSSPPLNKMN SMNKLPSVSQ LINPQQRNAL TPTTMPEGMG ANIPMMGTHM PMAGDMNGLS PTQALPPPLS MPSTSHCTPP PPYPTDCSIV SFLARLGCSS CLDYFTTQGL TTIYQIEHYS MDDLASKIP EQFRHAIWKG ILDHRQLHDF SSPHLLRTP SGASTVSVGS SETRGERVID AVRFTLRQTI SFPPRDEWND FNFDMDSTRN KQQRIKEEGE
Source	Yeast
Target Names	Tp63
Protein Names	Recommended name: Tumor protein 63 Short name= p63 Alternative name(s): Keratinocyte transcription factor KET Transformation-related protein 63 Short name= TP63 Tumor protein p73-like Short name= p73L
Expression Region	1-680
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.