



# Recombinant Mouse Tumor protein 63 (Tp63)

<b>Product Code</b>	CSB-EP024091MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O88898
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MNFETSRCAT LQYCPDPYIQ RFIETPAHFS WKESYYRSAM SQSTQTSEFL  SPEVFQHIWD FLEQPICSVQ PIELNFVDEP SENGATNKIE ISMDCIRMQD  SDLSDPMWPQ YTNLGLLNSM DQQIQNGSSS TSPYNTDHAQ NSVTAPSPYA  QPSSTFDALS PSPAIPSNTD YPGPHSFDVS FQQSSTAKSA TWTYSELK  LYCQIAKTCP IQIKVMTPPP QGAVIRAMPV YKKAHVTEV VKRCPNHLS  REFNEGQIAP PSHLIRVEGN SHAQYVEDPI TGRQSVLPY EPPQVGTEFT  TVLYNFCNS SCVGGMNRRP ILIIVTLETR DGQVLGRRCF EARICACGR  DRKADEDSIR KQQVSDSAKN GDGTRPFRQ NTHGIQMTSI KKRRSPDEL  LYLPVRGRET YEMLLKIKES LELMQYLPQH TIETYRQQQQ QHQHLLQKQ  TSMQSQSSYG NSSPPLNKMN SMNKLPSVSQ LINPQQRNAL TPTTMPEGMG  ANIPMMGTHM PMAGDMNGLS PTQALPPPLS MPSTSHCTPP PPYPTDCSIV  SFLARLGCSS CLDYFTTQGL TTIYQIEHYS MDDLASLKIP EQFRHAIWKG  ILDHRQLHDF SSPHLLRTP SGASTVSVGS SETRGERVID AVRFTLRQTI  SFPPRDEWND FNFDMDSRRN KQQRIKEEGE</p>
<b>Source</b>	E.coli
<b>Target Names</b>	Tp63
<b>Protein Names</b>	Recommended name: Tumor protein 63 Short name= p63 Alternative name(s): Transformation-related protein 63 Short name= TP63 Tumor protein p73-like Short name= p73L
<b>Expression Region</b>	1-680
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes a member of the p53 family of transcription factors. An animal model, p63 <sup>-/-</sup> mice, has been useful in defining the role this protein plays in the development and maintenance of stratified epithelial tissues. p63 <sup>-/-</sup> 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-lacrimal-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.

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**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.

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**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.