

Product Information

p63, GST-tagged, human recombinant, expressed in Sf9 cells

Catalog Number **SRP5112**
Storage Temperature -70°C

Synonyms: TP63, AIS, B(p51A), B(p51B), EEC3, KET, LMS, NBP, OFC8, p40, p51, p53CP, p73H, p73L, RHS, SHFM4, TP53CP, TP53L, TP73L

Product Description

p63 is the primordial member of the p53 family that acts in a conserved process of monitoring the integrity of the female germline; whereas, the functions of p53 are restricted to vertebrate somatic cells for tumor suppression. p63 protein plays an important role in the development and maintenance of stratified epithelial tissues.¹ p63 is critical for maintaining the progenitor-cell populations that are necessary to sustain epithelial development and morphogenesis.² Mutations in p63 are associated with ectodermal dysplasia, cleft lip/palate syndrome 3 (EEC3), and split-hand/foot malformation 4 (SHFM4).

Full-length, recombinant, human p63 was expressed by baculovirus in Sf9 cells using an N-terminal GST tag. The gene accession number is NM_001114980. Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~92 kDa

Purity: 70–95% (SDS-PAGE, see Figure 1)

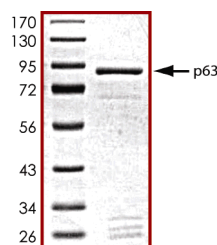
Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at -70°C is recommended. After opening, aliquot into smaller quantities and store at -70°C . Avoid repeated handling and multiple freeze/thaw cycles.

Figure 1.
SDS-PAGE Gel of Typical Lot
70–95% (densitometry)



References

1. Yang, A. et al., p63 is essential for regenerative proliferation in limb, craniofacial and epithelial development. *Nature*, **398**, 714-718 (1999).
2. Suh, E.K. et al., p63 protects the female germ line during meiotic arrest. *Nature*, **444**, 624-628 (2006).

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