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Product Information

p73γ, GST-tagged, human recombinant, expressed in *Sf*9 cells

Catalog Number **SRP5115**
Storage Temperature –70 °C

Synonyms: TP73, TAp73gamma

Product Description

p73γ is a member of the p53 family of transcription factors which are involved in cellular responses to stress and development. There are four isoforms of p73 (p73α, p73β, p73δ, and p73γ), which differ in their abilities to form homodimeric and heterodimeric interactions with each other and with p53.[1] The p73 isoforms also differ in their abilities to activate transcription of the p21 (Waf1) promoter and to inhibit colony formation. The p73 protein is expressed at very low levels in normal tissues and is differentially expressed in a number of tumors. p73 is a stress-response gene that activates transcription of p53-responsive genes and inhibits cell growth in a p53-like manner by inducing apoptosis.[2]

Full-length, recombinant, human p73γ was expressed by baculovirus in *Sf*9 cells using an N-terminal GST tag. The protein accession number is O15350-3. 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: ~85 kDa

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

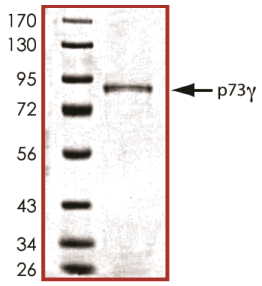
Precautions and Disclaimer

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. De Laurenzi, V. et al., Two new p73 splice variants, gamma and delta, with different transcriptional activity. J. Exp. Med., **188**, 1763-1768 (1998).
2. Jost. C.A. et al., p73 is a human p53-related protein that can induce apoptosis. Nature, **389**, 191-194 (1997).

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