
Recombinant Human P63 / TP63 / Tumor protein p63 Protein (His & GST tag)**Cat.NO.: TP06426**

3th Edition

Synonyms:

AIS;B(p51A);B(p51B);EEC3;KET;LMS;NBP;OFC8;p40;p51;p53CP;p63;p73H;p73L;RHS;SHFM4;TP53CP;TP53L;TP73L

Description: Tumor protein p63 is a protein also known as transformation-related protein 63, TP63, and p63. Tumor protein p63 / p63 is a member of the p53 family of transcription factors whose members P53, p63, and p73 have similar features in their gene structures and functions. An animal model, p63^{-/-} mice has been useful in defining the role p63 plays in the development and maintenance of stratified epithelial tissues. This p63 encoding protein p63 has a dramatic impact on replenishment of cutaneous epithelial stem cells and on ovarian germ cell survival. Although these two fundamental roles of p63 attest to its powerful place in development, its other functions, specifically the apparent capacity of p63, is to supervise the emergence of new cell populations in the breast, prostate, cervix, and upper reproductive tract. P63^{-/-} mice have several development 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 protein are associated with ectodermal dysplasia, and cleft lip / palate syndrome 3, ADULT syndrome (acro-dermato-ungual-lacrimal-tooth), limb-mammary syndrome, et al.

Form:PBS**Molecular Weight:**105 kDa**Sequences:**Met 1-Glu 680**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.