

p63 Protein, Human, Recombinant (His)

General Information

Synonyms:	P63;Tumor protein p73-like (p73L);P73H;TP63;p51;Tumor protein 63;p40;P73L;Keratinocyte transcription factor KET;KET;TP73L;Chronic ulcerative stomatitis protein (CUSP); Transformation-related protein 63 (TP63)
Protein Construction:	1-680 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q9H3D4
Molecular Weight:	80.8 kDa (predicted)
AA Sequence:	<p>MNFETSRCATLQYCPDPYIQRVETPAHFSWKESYYRSTMSQSTQTNEFLSPEVFQHIWDFLEQPICSVQPIDL NFVDEPSEDGATNKIEISMDCIRMQDSDLSDPMWPQYTNLGLLNSMDQQIQNGSSSTSPYNTDHAQNSVTA PSPYAQPSSTFDALSPSPAIPSTNDYPGPHSFVDFVQSSSTAKSATWTYSTELKKLYCQIAKTCPIQIKVMTPPP QGAVIRAMPVYKKAHEHVTEVVKRCPNHELSTREFNEGQIAPPSHLIRVEGNSHAQYVEDPITGRQSVLVPYEP QVGTFTTTLVYFMCNSSCVGGMNRRPILIVTLETRDQVLRRCFEARICACPGDRKKADEDSIRKQVSDS TKNGDGTKRPFQNTHTGIQMTSIKKRRSPDELLELPLVVRGRETYEMLLKIKESLELMQYLPQHTIETIRQQQ QQHQHLLQKQTSIQSPSSYGNSSPPLNKMNSMNKLPVSVQLINPQQRNALTPTTIPDGMGANIPMMGTHM PMAGDMNGLSPTQALPPPLSMPSTSHCTPPPPYPTDCSIVSFLARLGCSSCLDYFTTQGLTTIYQIEHYSMDL ASLKIPEQFRHAIWKGILDHRQLHEFSSPSHLLRTPSSASTVSVGSSETRGERVIDAVRFTLRQTISFPPRDEWN DFNFDMDARRNKQQRKEEGE</p>

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Acts as a sequence specific DNA binding transcriptional activator or repressor. The isoforms contain a varying set of transactivation and auto-regulating transactivation inhibiting domains thus showing an isoform specific activity. Isoform 2 activates RIPK4 transcription. May be required in conjunction with TP73/p73 for initiation of p53/TP53 dependent apoptosis in response to genotoxic insults and the presence of activated oncogenes. Involved in Notch signaling by probably inducing JAG1 and JAG2. Plays a role in the regulation of epithelial morphogenesis. The ratio of DeltaN-type and TA*-type isoforms may govern the maintenance of epithelial stem cell compartments and regulate the initiation of epithelial stratification from the undifferentiated embryonal ectoderm. Required for limb formation from the apical ectodermal ridge. Activates transcription of the p21 promoter.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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