

Datasheet for ABIN7554832
p63 Protein (AA 1-680) (His tag)



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Overview

Quantity:	1 mg
Target:	p63 (TP63)
Protein Characteristics:	AA 1-680
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This p63 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TP63 Protein expressed in mammalian cells.
Sequence:	<p>MNFETSRCAT LQYCPDPYIQ RFVETPAHFS WKESYYRSTM SQSTQTNEFL SPEVFQHIWD FLEQPICSVQ PIDLNFVDEP SEDGATNKIE ISMDCIRMQD SDLSDPMWPQ YTNLGLLNSM DQQIQNGSSS TSPYNTDHAQ NSVTAPSPYA QPSSTFDALS PSPAIPSNTD YPGPHSFDVS FQQSSTAKSA TWTYSELKK LYCQIAKTCPIQIKVMTPPP QGAVIRAMPV YKKAHVTEV VKRCPNHLS REFNEGQIAP PSHLIRVEGN SHAQYVEDPI TGRQSVLPY EPPQVGTEFT TVLYNFMNS SCVGGMNRRIIIVTLETR DGQVLGRRCF EARICACPR DRKADEDSIR KQVSDSTKN GDGTRPFRQ NTHGIQMTSI KKRRSPDDEL LYLPVRGRET YEMLLKIKES LELMQYLPQH TIETRQQQQ QHQHLLQKQ TSIQSPSSYG NSSPPLNKMN SMNKLPSVSQ LNPQQRNAL TPTTIPDGMG ANIPMMGTHM PMAGDMNGLS PTQALPPPLS MPSTSHCTPP PPYPTDCSIV SFLARLGCSS CLDYFTTQGL TTIYQIEHYS MDDLASLKIP EQFRHAIWKG ILDHRQLHEF SSPSHLLRTP SSASTVSVGS SETRGERVID AVRFTLRQTI SFPPRDEWND FNFDMDARRN KQRIKEEGE Sequence without tag. The proposed Purification-Tag is based</p>

Product Details

on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: p63 (TP63)

Alternative Name: TP63 ([TP63 Products](#))

Background: Tumor protein 63 (p63) (Chronic ulcerative stomatitis protein) (CUSP) (Keratinocyte transcription factor KET) (Transformation-related protein 63) (TP63) (Tumor protein p73-like) (p73L) (p40) (p51),FUNCTION: 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

Target Details

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. {ECO:0000269|PubMed:11641404, ECO:0000269|PubMed:12374749, ECO:0000269|PubMed:12446779, ECO:0000269|PubMed:12446784, ECO:0000269|PubMed:20123734, ECO:0000269|PubMed:22197488, ECO:0000269|PubMed:9774969}.

Molecular Weight: 76.8 kDa

UniProt: [Q9H3D4](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months