

Datasheet for ABIN7562686
p63 Protein (AA 1-680) (His tag)



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Overview

Quantity:	1 mg
Target:	p63 (TP63)
Protein Characteristics:	AA 1-680
Origin:	Mouse
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 RFIETPAHFS WKESYYRSAM SQSTQTSEFL SPEVFQHIWD FLEQPICSVQ PIELNFVDEP SENGATNKIE ISMDCIRMQD SDLSDPMWPQ YTNLGLLNSM DQQIQNGSSS TSPYNTDHAQ NSVTAPSPYA QPSSTFDALS PSPAIPSNTD YPGPHSFDVS FQQSSTAKSA TWTYSELK LYCQIAKTCPIQIKVMTPPP QGAVIRAMPV YKKAHVTEV VKRCPNHLS REFNEGQIAP PSHLIRVEGN SHAQYVEDPI TGRQSVLPY EPPQVGTEFT TVLYNFMNS SCVGGMNRRIIIVTLETR DGQVLGRRCF EARICACPR DRKADEDSIR KQQVSDSAKN GDGTRKPRFQ NTHGIQMTSI KKRRSPDDEL LYLPVRGRET YEMLLKIKES LELMQYLPQH TIETRQQQQ QHQHLLQKQ TSMQSQSSYG NSSPPLNKMN SMNKLPSVSQ LNPQQRNAL TPTTMEPMG ANIPMMGTHM PMAGDMNGLS PTQALPPPLS MPSTSHCTPP PPYPTDCSIV SFLARLGCSS CLDYFTTQGL TTIYQIEHYS MDDLASLKIP EQFRHAIWKG ILDHRQLHDF SPPHLLRTP SGASTVSVGS SETRGERVID AVRFTLRQTI SFPPRDEWND FNFDMSRRN 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) (Transformation-related protein 63) (TP63) (Tumor protein p73-like) (p73L),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. 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. Activates transcription of the p21 promoter (By similarity). Activates RIPK4 transcription. 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

Target Details

compartments and regulate the initiation of epithelial stratification from the undifferentiated embryonal ectoderm. Required for limb formation from the apical ectodermal ridge.
{ECO:0000250, ECO:0000269|PubMed:10227293, ECO:0000269|PubMed:10227294,
ECO:0000269|PubMed:11932750, ECO:0000269|PubMed:14729569,
ECO:0000269|PubMed:22197488}.

Molecular Weight: 76.8 kDa

UniProt: [O88898](#)

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