

Datasheet for ABIN3132257
p63 Protein (AA 1-680) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	p63 (TP63)
Protein Characteristics:	AA 1-680
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This p63 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

Product Details

Brand:	AliCE®
Sequence:	<p>MNFETSRCAT LQYCPDPYIQ RFIETPAHFS WKESYYRSAM SQSTQTSEFL SPEVFQHIWD FLEQPICSVQ PIELNFVDEP SENGATNKIE ISMDCIRMQD SDLSDPMWPQ YTNLGLLSNM DQQIQNGSSS TSPYNTDHAQ NSVTAPSPYA QPSSTFDALS PSPAIPSNTD YPGPHSFDVS FQQSSTAKSA TWTYSELKK LYCQIAKTCP IQIKVMTPPP QGAVIRAMPV YKKAHVTEV VKRCPNHEL REFNEGQIAP PSHLIRVEGN SHAQYVEDPI TGRQSVLPY EPPQVGTEFT TVLYNFM CNS SCVGGMNRRP ILIIVTLETR DGQVLGRRCF EARICACPGR DRKADEDSIR KQQVSDSAKN GDGTRKPRFQ NTHGIQMTSI KKRRSPDDEL LYLPVRGRET YEMLLKIKES LELMQYLPQH TIETQRQQQ QHQHLLQKQ TSMQSQSSYG NSSPPLNKMN SMNKLPSVSQ LINPQQRNAL TPTTMPEGMG ANIPMMGTHM PMAGDMNGLS PTQALPPPLS MPSTSHCTPP PPYPTDCSIV SFLARLGCSS CLDYFTTQGL TTIYQIEHYS MDDLASLKIP EQFRHAIWKG ILDHRQLHDF SSPPHLLRTP SGASTVSVGS SETRGERVID AVRFTLRQTI SFPPRDEWND</p>

FNFDMSRRN KQRIKEEGE

Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:

One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).

Product Details

Purity: > 70-80 % as determined by SDS PAGE, 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 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: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Application Details

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Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.
Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months