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Datasheet for ABIN7551169
TP53I3 Protein (AA 1-332) (His tag)

Overview

Quantity:	1 mg
Target:	TP53I3
Protein Characteristics:	AA 1-332
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TP53I3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TP53I3 Protein expressed in mammalien cells.
Sequence:	MLAVHFDKPG GPENLYVKEV AKPSPGEGEV LLKVAASALN RADLMQRQQG YDPPPGASNI LGLEASGHVA ELGPGCQGHW KIGDTAMALL PGGGQAQYVT VPEGLLMPIP EGLTLTQAAA IPEAWLTAFQ LLHLVGNVQA GDYVLIHAGL SGVGTAAIQL TRMAGAIPLV TAGSQKKLQM AEKLGAAAGF NYKKEDFSEA TLKFTKGAGV NLILD CIGGS YWEKNVNCLA LDGRWVLYGL MGGGDINGPL FSKLLFKRGS LITSLLSRD NKYKQMLVNA FTEQILPHFS TEGPQRLLPV LDRIYPVTEI QEAHKYMEAN KNIGKIVLEL PQ Sequence without tag. The proposed Purification-Tag is based 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.
Characteristics:	Key Benefits:

Product Details

- 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	TP53I3
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Alternative Name:	TP53I3 (TP53I3 Products)
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Background:	Quinone oxidoreductase PIG3 (EC 1.6.5.5) (NADPH:quinone reductase PIG3) (Tumor protein p53-inducible protein 3) (Protein PIG3) (p53-induced gene 3 protein),FUNCTION: Catalyzes the NADPH-dependent reduction of quinones (PubMed:19349281). Exhibits a low enzymatic activity with beta-naphthoquinones, with a strong preference for the ortho-quinone isomer (1,2-beta-naphthoquinone) over the para isomer (1,4-beta-naphthoquinone). Also displays a low reductase activity for non-quinone compounds such as diamine and 2,6-dichloroindophenol (in vitro) (PubMed:19349281). Involved in the generation of reactive oxygen species (ROS) (PubMed:19349281). {ECO:0000269 PubMed:19349281}.
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Molecular Weight:	35.5 kDa
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UniProt:	Q53FA7
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Pathways:	p53 Signaling
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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.

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
