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Datasheet for ABIN7555721 **TGFB11 Protein (AA 1-461) (His tag)**

Overview

Quantity:	1 mg
Target:	TGFB111
Protein Characteristics:	AA 1-461
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFB111 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TGFB111 Protein expressed in mammalien cells.
Sequence:	MEDLDALLSD LETTTSHMPR SGAPKERPAE PLTPPPSYGH QPQTGSGESS GASGDKDHLV STVCKPRSPK PAAPAAPPFS SSSGVLGTGL CELDRLLQEL NATQFNITDE IMSQFPSSKV ASGEQKEDQS EDKKRPSLPS SPSPGLPKAS ATSATLELDR LMASLSDFRV QNHLPASGPT QPPVVSSTNE GSPSPPEPTG KGSLDTMLGL LQSDLSRRGV PTQAKGLCGS CNKPIAGQVV TALGRAWHPE HFVCGGCSTA LGGSSFFEKD GAPFCPECYF ERFSPRCGFC NQPIRHKMVT ALGTHWHPEH FCCVSCGEPF GDEGFHEREG RPYCRRDFLQ LFAPRCQGCQ GPILDNYISA LSALWHPDCF VCRECFAPFS GGSFFEHEGR PLCENHFHAR RGSLCATCGL PVTGRCVSAL GRRFHPDHFT CTFCLRPLTK GSFQERAGKP YCQPCFLKLF G 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.

Product Details

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, Western Blot

Grade:

custom-made

Target Details

Target:

TGFB111

Alternative Name:

TGFB111 ([TGFB111 Products](#))

Background:

Transforming growth factor beta-1-induced transcript 1 protein (Androgen receptor coactivator 55 kDa protein) (Androgen receptor-associated protein of 55 kDa) (Hydrogen peroxide-inducible clone 5 protein) (Hic-5),FUNCTION: Functions as a molecular adapter coordinating multiple protein-protein interactions at the focal adhesion complex and in the nucleus. Links various intracellular signaling modules to plasma membrane receptors and regulates the Wnt and TGFB signaling pathways. May also regulate SLC6A3 and SLC6A4 targeting to the plasma membrane hence regulating their activity. In the nucleus, functions as a nuclear receptor coactivator regulating glucocorticoid, androgen, mineralocorticoid and progesterone receptor transcriptional activity. May play a role in the processes of cell growth, proliferation, migration, differentiation and senescence. May have a zinc-dependent DNA-binding activity.

{ECO:0000269|PubMed:10075738, ECO:0000269|PubMed:11463817,

ECO:0000269|PubMed:11856738, ECO:0000269|PubMed:12177201,

ECO:0000269|PubMed:12445807, ECO:0000269|PubMed:12700349,

Target Details

ECO:0000269|PubMed:15211577, ECO:0000269|PubMed:15561701,
ECO:0000269|PubMed:16141357, ECO:0000269|PubMed:16624805,
ECO:0000269|PubMed:16803896, ECO:0000269|PubMed:16849583,
ECO:0000269|PubMed:17166536, ECO:0000269|PubMed:17233630,
ECO:0000269|PubMed:9032249}.

Molecular Weight: 49.8 kDa

UniProt: [O43294](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [VEGF Signaling](#)

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