

Datasheet for ABIN3135529

## TGFB11 Protein (AA 1-461) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	TGFB11
Protein Characteristics:	AA 1-461
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFB11 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

### Product Details

Brand:	AliCE®
Sequence:	<p>MEDLDALLSD LETTTSHMSR LGAPKERPPE TLTPPPPYGH QPQTGSGESS GTTGDKDHLY  STVCKPRSPK PVAPVAPPFS SSSGVLGNGL CELDRLLQEL NATQFNITDE IMSQFPSSKM  AEGEEKEDQS EDKSSPTVPP SPFPAPSKPS ATSATQELDR LMASLSDFRV QNHLPASGPP  QPPAASPTRE GCPSPPGQTS KGSLDTMLGL LQSDLRREGV PTQAKGLCGS CNKPIAGQVV  TALGRAWHPE HFLCSGCSTT LGGSSFFEKD GAPFCPECYF ERFSPRCGFC NQPIRHKMVT  ALGTHWHPEH FCCVSCGEPF GEEGFHEREG RPYCRRDFLQ LFAPRCQGCQ GPILDNYISA  LSALWHPDCF VCRECLAPFS GGSFFEHEGR PLCENHFAHQ RGLCATCGL PVTGRCVSAL  GRRFHPDHFT CTFCLRPLTK GSFQERASKP YCQPCFLKLF G</p> <p><b>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.</b></p>

# Product Details

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Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made in Germany - from design to production - by highly experienced protein experts.</li><li>• Protein expressed with ALiCE® and purified in one-step affinity chromatography</li><li>• These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <div>This protein is a <b>made-to-order protein</b> and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</div> <div>The big advantage of ordering our <b>made-to-order proteins</b> 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.</div> <div>Expression System:</div> <ul style="list-style-type: none"><li>• ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.</li><li>• 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!</li></ul> <div>Concentration:</div> <ul style="list-style-type: none"><li>• The concentration of our recombinant proteins is measured using the absorbance at 280nm.</li><li>• The protein's absorbance will be measured against its specific reference buffer.</li><li>• We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.</li></ul>
Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

## Target Details

Target:	TGFB111
Alternative Name:	Tgfb1i1 ( <a href="#">TGFB111 Products</a> )
Background:	<p>Transforming growth factor beta-1-induced transcript 1 protein (Androgen receptor-associated protein of 55 kDa) (Hydrogen peroxide-inducible clone 5 protein) (Hic-5) (TGF beta-stimulated clone 5) (TSC-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.</p> <p>{ECO:0000269 PubMed:10649439, ECO:0000269 PubMed:10848625, ECO:0000269 PubMed:11463817, ECO:0000269 PubMed:11546764, ECO:0000269 PubMed:11937715, ECO:0000269 PubMed:12153727, ECO:0000269 PubMed:14755691, ECO:0000269 PubMed:15687259, ECO:0000269 PubMed:15713747, ECO:0000269 PubMed:16183059, ECO:0000269 PubMed:16291758, ECO:0000269 PubMed:16737959, ECO:0000269 PubMed:17166536, ECO:0000269 PubMed:17233630, ECO:0000269 PubMed:17299801, ECO:0000269 PubMed:7929412, ECO:0000269 PubMed:9722648}.</p>
Molecular Weight:	50.1 kDa
UniProt:	<a href="#">Q62219</a>
Pathways:	<a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">VEGF Signaling</a>

## 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.
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.

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 <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months