

Datasheet for ABIN3095893  
**TNS3 Protein (AA 1-1445) (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	1 mg
Target:	TNS3
Protein Characteristics:	AA 1-1445
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNS3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

## Product Details

Sequence:	MEEGHGLDLT YITERIIAVS FPAGCSEESY LHNLEQVTRM LSKKHGDNLY VLNLSEKRYD LTKLNPIMD VGWPELHAPP LDKMCTICKA QESWLNSNLQ HVVVIHCRGG KGRIGVVISS YMHFTNVSAS ADQALDRFAM KKFYDDKVSA LMQPSQKRYV QFLSGLLSGS VKMNASPLFL HFVILHGTPN FDTGGVCRPF LKLYQAMQPV YTSGIYNVGP ENPSRICIVI EPAQLLKGDV MVKCYHKKYR SATRDVIFRL QFHTGAVQGY GLVFGKEDLD NASKDDRFPD YGKVELVFSA TPEKIQGSEH LYNDHGVIVD YNTTDPLIRW DSYENLSADG EVLHTQGPVD GSLYAKVRKK SSSDPGIPGG PQAIPATNSP DHSHTLSVS SDSGHSTASA RTDKTEERLA PGTRRGLSAQ EKAELDQLLS GFGLEDPGSS LKEMTDARSK YSGTRHVVPA QVHVNGDAAL KDRETDILDD EMPHHDLHSV DSLGTLSSSE GPQSAHLGPF TCHKSSQNSL LSDGFGSNVG EDPQGTLVPD LGLGMDGPYE RERTFGSREP KQPQPLLRKP SVSAQMQAYG QSSYSTQTWV RQQQMVAHQ YSFAPDGEAR LVSRCPADNP GLVQAQPRVP LTPTRGTSSR VAVQRGVGS GPHPPDTQQPS PSKAFKPRFP GDQVWNGAGP ELSTGPSPGS PTLIDIDSIE QLNRLILELD PTFEPIPTHM
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NALGSQANGS VSPDSVGGGL RASSRLPDTG EGPSRATGRQ GSSAEQPLGG RLRKLSLGQY  
DNDAGGQLPF SKCAWGKAGV DYAPNLPPFP SPADVKETMT PGYPQDLDI DGRILSSKES  
MCSTPAFPVS PETPYVK TAL RHPPFSPPEP PLSSPASQHK GGREPRSCPE TLTHAVGMSE  
SPIGPKSTML RADASSTPSF QQAFASSCTI SSNGPGQRRE SSSSAERQWV ESSPKPMVSL  
LGSGRPTGSP LSAEFSGTRK DSPVLSCFPP SELQAPFHS ELSLAEPD LAPPSSQAFL  
GFGTAPVSG LPPEEDLGAL LANSHGASPT PSIPLTATGA ADNGFLSHNF LTVAPGHSSH  
HSPGLQGQGV TLPQQPLPE KKRASEGDRS LGSVSPSSSG FSSPHSGSTI SIPFPNVLPD  
FSKASEAASP LPDSPGDKLV IVKFVQDTSK FWYKADISRE QAIAMLKDKE PGSFIVRDSH  
SFRGAYGLAM KVATPPPSVL QLNKKAGDLA NELVRHFLIE CTPKGVRLKG CSNEPYFGSL  
TALVCQHSIT PLALPCKLLI PERDPLEEIA ESSPQTAANS AAELLKQGAA CNVWYLSNVE  
MESLTGHQAI QKALSITLVQ EPPPVSTVVH FKVSAQGITL TDNQRKLFFR RHYPVNSVIF  
CALDPQDRKW IKDGPSSKVF GFVARKQGSA TDNVCHLFAE HDPEQPASAI VNFVSKVMIG SPKKV

**Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**

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### Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human TNS3 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protparam tool to determine the absorption coefficient of each protein.

## Product Details

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none"><li>1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.</li><li>2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.</li></ol>
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

## Target Details

Target:	TNS3
Alternative Name:	TNS3 ( <a href="#">TNS3 Products</a> )
Background:	May play a role in actin remodeling. Involved in the dissociation of the integrin-tensin-actin complex. EGF activates TNS4 and down-regulates TNS3 which results in capping the tail of ITGB1. Seems to be involved in mammary cell migration. May be involved in cell migration and bone development (By similarity). {ECO:0000250, ECO:0000269 PubMed:17643115}.
Molecular Weight:	156.2 kDa Including tag.
UniProt:	<a href="#">Q68CZ2</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:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

## Images



**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process