

Datasheet for ABIN7558378

## THNSL2 Protein (AA 1-483) (His tag)



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### Overview

Quantity:	1 mg
Target:	THNSL2
Protein Characteristics:	AA 1-483
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This THNSL2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Thnsl2 Protein expressed in mammalian cells.
Sequence:	<p>MWYTSTRGMA PRVNFEGALF SGYAPDGGLY MPEELPRLDE ETLRHWSTLS YRSLVKELCA          LFIGLELIPR HDLNDLIDRA FSRFRHRNVV HLCKLKNGLN ILELWHGVTY AFKDLSSLCT          AQFLQYFLEK KKKHVTIVVG TSGDTGSAAI ESVQGSKNVD IIVLLPKGHC SKIQELQMTT          VLKENVHVFE VEGNSDELDE PIKAVFADVA FVQRHNVMSL NSINWSRVLV QMAHHFFAYF          QCTPSLDTHP LPTVEVVVPT GAGGNLAAGC IAQKMGLPIC LVVAVNRNDI IHRTVQKGDF          SLCEVLR TTL ASAMDIQVPY NMERIFWLLS GSDSQTTTRAL MEQFERTQSL QLPKDLHNKL          SEAVTSESVT DEAITQTMAR CWEENQYLLC PHSATAVNYH YQQTDSGQSS IRCCLASASA          VKFPEAVQAA GLTPETPAEI LALEHKETRC IPMRRGDDWT QMLRV TIEGL SQRWKDCVVN PSE</p> <p><b>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.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

isoform, please contact us regarding an individual offer.

### 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

### Target:

THNSL2

### Alternative Name:

Thnsl2 ([THNSL2 Products](#))

### Background:

Threonine synthase-like 2 (TSH2) (mTSH2) (EC 4.2.3.-),FUNCTION: Acts as a catabolic phospho-lyase on both gamma- and beta-phosphorylated substrates. Degrades O-phospho-threonine (PThr) to alpha-ketobutyrate, ammonia and phosphate. Also degrades O-phospho-homoserine (PHS), but this is not its physiological substrate.  
{ECO:0000269|PubMed:17034760}.

### Molecular Weight:

54.2 kDa

### UniProt:

[Q80W22](#)

## Application Details

### Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

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