

## Product datasheet for **TP309049L**

### THNSL2 (NM\_018271) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human threonine synthase-like 2 ( <i>S. cerevisiae</i> ) (THNSL2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209049 representing NM_018271 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MWYVSTRGVAPRVNFEGALFSGYAPDGGLFMPEELPQLDRGTLCQWSTLSYPGLVKELCALFIGSELLPK  
DELNDLIDRAFSRFRHREVVHLSRLRNLNVLELWHGVTYAFKDLSSLCTTQFLQYFLEKREKHVTWVG  
TSGDTGSAAIESVQGAKNMDIIVLLPKGHCTKIQELQMTTVLKQNVHVFVGVGNSDELDEPIKTVFADVA  
FVKKHNLMSLNSINWSRVLVQMAHHFFAYFQCTPSLDTHPLPLVEVVVPTGAAGNLAAGYIAQKIGLPIR  
LVAVNRNDIIHRTVQQGDFSLSEAVKSTLASAMDIQVPYNMERVFWLLSGSDSQVTRALMEQFERTQSV  
NLPKELHSKLSEAVTSVSVSDEAITQTMGRCWDENQYLLCPHSAVAVNYHYQQIDRQQPSTPRCCLAPAS  
AAKFEAVLAAGLTPETPAEIVALEHKETRCTLMRRGDNWMLMLRDTIEDLSRQWRSHALNTSQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	53.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_060741</a>

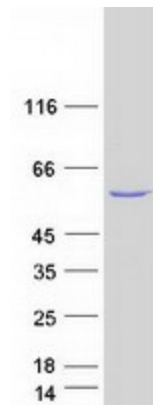


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Locus ID: 55258  
UniProt ID: [Q86YJ6](#)  
RefSeq Size: 2150  
Cytogenetics: 2p11.2  
RefSeq ORF: 1452  
Synonyms: SOFAT; THS2; TSH2

**Summary:** This gene encodes a threonine synthase-like protein. A similar enzyme in mouse can catalyze the degradation of O-phospho-homoserine to a-ketobutyrate, phosphate, and ammonia. This protein also has phospho-lyase activity on both gamma and beta phosphorylated substrates. In mouse an alternatively spliced form of this protein has been shown to act as a cytokine and can induce the production of the inflammatory cytokine IL6 in osteoblasts. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]

### Product images:



Coomassie blue staining of purified THNSL2 protein (Cat# [TP309049]). The protein was produced from HEK293T cells transfected with THNSL2 cDNA clone (Cat# [RC209049]) using MegaTran 2.0 (Cat# [TT210002]).