

Product datasheet for PH309049

THNSL2 (NM_018271) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	THNSL2 MS Standard C13 and N15-labeled recombinant protein (NP_060741)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209049
Predicted MW:	53.9 kDa
Protein Sequence:	>RC209049 representing NM_018271 Red=Cloning site Green=Tags(s)

MWYVSTRGVAPRVNFEALFSGYAPDGGFLFMPEELPQLDRGTLQWSTLSYPGLVKELCALFIGSELLPK
DELNDLIDRAFSTRFRHREVVHLSRLRNLNVLELWHGVTYAFKDLSSLCTTQFLQYFLEKREKHVTVVVG
TSGDTGSAAIESVQGAKNMDIIVLLPKGHCTKIQELQMTTVLKQNVHVFVGEVNSDELDEPIKTVFADVA
FVKHNLMSLNSINWSRVLVQMAHFFAYFQCTPSLDTHPLPLVEVVVPTGAAGNLAAGYIAQKIGLPIR
LVAVNRNDIIHRTVQQGDFSLSEAVKSTLASAMDIQVPYNMERVFWLLSGSDSQVTRALMEQFERTQSV
NLPKELHSKLSAVTSVSVSDEAITQTMGRCWDENQYLLCPHSAVAVNYHYQQIDRQQPSTPRCCLAPAS
AAKFPEAVLAAGLTPETPAEIVALEHKETRCTLMRRGDNWMLMLRDTIEDLSRQWRSHALNTSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_060741</u>
RefSeq Size:	2150
RefSeq ORF:	1452
Synonyms:	SOFAT; THS2; TSH2



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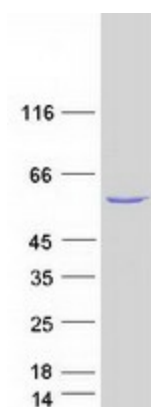
Locus ID: 55258

UniProt ID: [Q86YJ6](#)

Cytogenetics: 2p11.2

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]).