Recombinant Human THNSL2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. THNSL2-4671H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	THNSL2 MS Standard C13 and N15-labeled recombinant protein (NP_060741) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	53.9 kDa
AA Sequence	MWYVSTRGVAPRVNFEGALFSGYAPDGGLFMPEELPQLDRGTLCQWSTLSYPGLV KELCALFIGSELLPKDELNDLIDRAFSRFRHREVVHLSRLRNGLNVLELWHGVTYAFK DLSLSCTTQFLQYFLEKREKHVTVVVGTSGDTGSAAIESVQGAKNMDIIVLLPKGHCT KIQELQMTTVLKQNVHVFGVEGNSDELDEPIKTVFADVAFVKKHNLMSLNSINWSRV LVQMAHHFFAYFQCTPSLDTHPLPLVEVVVPTGAAGNLAAGYIAQKIGLPIRLVVAVN RNDIIHRTVQQGDFSLSEAVKSTLASAMDIQVPYNMERVFWLLSGSDSQVTRALME QFERTQSVNLPKELHSKLSEAVTSVSVSDEAITQTMGRCWDENQYLLCPHSAVAVN

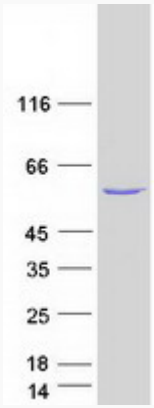
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	YHYQQIDRQQPSTPRCCLAPASAAKFPEAVLAAGLTPETPAEIVALEHKETRCTLMRRGDNWMLMLRDTIEDLSRQWRSHALNTSQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	THNSL2 threonine synthase like 2 [Homo sapiens (human)]
Official Symbol	THNSL2
Synonyms	THNSL2; threonine synthase-like 2 (S. cerevisiae); threonine synthase-like 2; FLJ10916; secreted osteoclastogenic factor of activated T cells; secreted osteoclastogenic factor of activated T-cells; THS2; TSH2; SOFAT; FLJ35504;
Gene ID	55258
mRNA Refseq	NM_018271
Protein Refseq	NP_060741

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MIM	611261
UniProt ID	Q86YJ6
SDS-PAGE	

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