

Recombinant Human THG1L Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. THG1L-5807H Lot. No. (See product label)

SPECIFICATION

Product Overview	THG1L MS Standard C13 and N15-labeled recombinant protein (NP_060342) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a mitochondrial protein that is induced by high levels of glucose and is associated with diabetic nephropathy. The encoded protein appears to increase mitochondrial biogenesis, which could lead to renal fibrosis. Another function of this protein is that of a guanyltransferase, adding GMP to the 5' end of tRNA(His). Several transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	34.8 kDa
AA Sequence	MWGACKVKVHDSLATISITLRRYLRLGATMAKSKFEYVRDFEADDTCLAHCWVVVR LDGRNFHRFAEKHNFAKPNDSRALQLMTKCAQTVMEELEDIVIAYGQSDEYSFVFK RKTNWFKRRASKFMTHVASQFASSYVFYWRDYFEDQPLLYPPGFDGRVVVYPSNQ TLKDYLSWRQADCHINNLYNTVFWALIQQSGLTPVQAQGRQLQGTLAADKNEILFSEF NINYNNEPPMYRKGTVLIWQKVDEVMTKEIKLPTEMEGKKMAVTRTRTKPVPLHCDII GDAFWKEHPEILDEDSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.

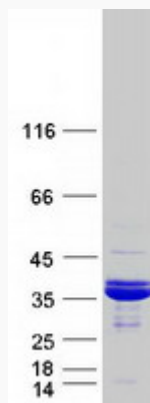
GENE INFORMATION

Gene Name	THG1L tRNA-histidine guanylyltransferase 1 like [Homo sapiens (human)]
Official Symbol	THG1L
Synonyms	THG1L; tRNA-histidine guanylyltransferase 1-like (S. cerevisiae); probable tRNA(His) guanylyltransferase; FLJ11601; FLJ20546; ICF45; interphase cytoplasmic foci protein 45;
Gene ID	54974
mRNA Refseq	NM_017872
Protein Refseq	NP_060342
MIM	618802
UniProt ID	Q9NWX6

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SDS-PAGE

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