

Recombinant Human THG1L protein, GST-tagged

Cat. No. THG1L-3219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human THG1L protein(1-269 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-269 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MAKSKFEYVRDFEADDTCLAHCWVVVRLDGRNFHRFAEKHNFAKPNDSTRALQLMT KCAQTVMEELEDIVIAYGQSDEYSFVFKRKTNWFKRRASKFMTHVASQFASSYVFY WRDYFEDQPLLYPPGFDGRVVVYPSNQTLKDYLSWRQADCHINNLYNTVFWALIQQ SGLTPVQAQGRQLQGTLAADKNEILFSEFNINYNNELPMYRKGTVLWQKVDEVMTKE IKLPTEMEGKKMAVTRTRTKPVPLHCDIIGDAFWKEHPEILDEDS
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name THG1L tRNA-histidine guanylyltransferase 1-like (*S. cerevisiae*) [*Homo sapiens*]

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

UniProt ID Q9NWX6

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