

tRNA-Histidine Guanylyltransferase 1-Like Human Recombinant

Item Number	rAP-2008
Synonyms	tRNA-histidine guanylyltransferase 1-like (<i>S. cerevisiae</i>), Interphase cytoplasmic foci protein 45, probable tRNA(His) guanylyltransferase, induced by high glucose-1, FLJ11601, FLJ20546, ICF45, IHG-1, EC 2.7.7.79, EC 2.7.7.6.
Description	THG1L Human Recombinant produced in <i>E. coli</i> is a single polypeptide chain containing 292 amino acids (30-298) and having a molecular mass of 34.0 kDa. THG1L is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9NWX6
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMASKFE YVRDFEADDT CLAHCVVVVR LDGRNFHRFA EKHNFAKPND SRALQLMTKC AQTVMEELED IVIAYQSDE YSFVFKRKTN WFKRRASKFM THVASQFASS YVFYWRDYFE DQPLLYPPGF DGRVVVYPSN QTLKDYLSWR QADCHINNLY NTVF- WALIQQ SGLTPVQAQG RLQGTLAADK NEILFSEFNI NYNNELPMYR KGTVLIWQKV DEVMTKEIKL PTEMEGKKMA VTRTRTKPVP LHCDIIGDAF WKEHPEILDE DS.
Source	<i>E. coli</i> .
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The THG1L solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**