

## tRNA-Histidine Guanylyltransferase 1-Like Human Recombinant

<b>Item Number</b>	rAP-2008
<b>Synonyms</b>	tRNA-histidine guanylyltransferase 1-like (S. cerevisiae), 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.
<b>Description</b>	THG1L Human Recombinant produced in E. coli 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.
<b>Uniprot Accesion Number</b>	Q9NWX6
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMAKSKFE YVRDFEADDT CLAHCVVVR LDGRNFHRFA EKHNAFKPND SRALQLMTKC AQTVMEELED IVIAYGQSDE YSFVFKRKTN WFKRRASKFM THVASQFASS YVFYWRDYFE DQPLLYPFG DGRVVVYPSN QTLKDYLSWR QADCHINNLY NTVF-WALIQQ SGLTPVQAQG RLQGTLAADK NEILSEFNI NYNNELPMYR KGTVLIWQKV DEVMTKEIKL PTEMEGKKMA VTRTRTKPVP LHCDIIGDAF WKEHPEILDE DS.
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	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.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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 end users! This product is sold for **Research Use Only**