

## GLTP Human

**Description:** GLTP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 232 amino acids (1-209 a.a.) and having a molecular mass of 26.2kDa. GLTP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-1320

For research use only.

**Synonyms:** Glycolipid transfer protein, GLTP.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMALLAEH LLKLPADKQ  
IETGPFLEAV SHLPPFFDCL GSPVFTPIKA DISGNITKIK AVYDTNPAKF RTLQNILEVE  
KEMYGAEWPK VGATLALMWL KRGLRFIQVF LQSIDGERD ENHPNLIRVN ATKAYEMALK  
KYHGWIVQKI FQAALYAAPY KSDFLKALSK GQNVTEEECL EKIRLFLVNY TATIDVIYEM  
YTQMNAELNY KV

**Purity:** Greater than 85.0% as determined by SDS-PAGE.

**Formulation:**

GLTP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT.

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Glycolipid transfer protein (GLTP) accelerates the intermembrane transfer of different glycolipids. GLTP catalyzes the transfer of various glycosphingolipids between membranes however does not catalyze the transfer of phospholipids. GLTP is involved in the intracellular translocation of glucosylceramides. The GLTP protein is similar to bovine and porcine proteins which accelerate transfer of certain glycosphingolipids and glyceroglycolipids between membranes. GLTP is assumed to be a cytoplasmic protein. GLTP is detected in fibroblasts and in various cancer cell lines.

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