



Protein Engineering Company

Product name: TL1A Protein, Human, Recombinant, Biotinylated
Catalog number: TL1A-B-301
Size: 0.1 mg

Product Description

TL1A, also known as TNFSF15, is a tumor necrosis factor (TNF) family member cytokine expressed by monocytes, macrophages, dendritic cells (DCs), synovial fibroblasts, and endothelial cells. Its cell surface receptor, DR3 (also known as TNFSF25, WSL-1, TRAMP, and LARD), is mainly expressed by T cells. TL1A has been linked to human inflammatory bowel disease (IBD).

A DNA sequence encoding the human TL1A (Qln58-Leu251) with a polyhistidine tag and AviTag™ peptide at the N-terminus was expressed in *E. coli* and biotinylated at AviTag™. Based on the size-exclusion chromatography data, the purified protein elutes as a trimer.

Sequence of recombinant human TL1A protein:

MHHHHHHGSLNDIFEAQKIEWHEGGSQLRAQGEASVQFQALKGQEFAPSHQQVYAPLRADGDKPRAHLTVVRQT
PTQHFKNQFPALHWEHELGLAFTKNRMNYTNKFLIPESGDYFIYSQVTFRGMTSECSEIRQAGRPNKPDSTVITKV
TDSYPEPTQLLMGTKSVCEVGSNWFQPIYLGAMFSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFL

Storage buffer: 20 mM Phosphate buffer, pH 7.4, 120 mM NaCl, 5 mM 2-mercaptoethanol, and 10% glycerol.

Molecular weight: ~25 kDa (monomer)

Purity: >90% by Coomassie staining

Storage is recommended at -80°C for longer periods of time.

This product is intended for research use only.