



Recombinant Protein Technical Manual
Recombinant Human TRIM/TRAT1 Protein (His Tag)
RPES0532

Product Data:

Product SKU: RPES0532

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q6PIZ9

Protein Information:

Molecular Mass: 19.4 kDa

AP Molecular Mass: 30 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 10% Glycerol, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: T-Cell Receptor-Associated Transmembrane Adapter 1; T-Cell Receptor-Interacting Molecule; TRIM; pp29/30; TRAT1; TCRIM; HSPC062

Immunogen Information:

Sequence: Asn29-Asn186

Background:

T-Cell Receptor-Associated Transmembrane Adapter 1 (TRAT1) is a single-pass type III membrane protein. TRAT1 exists as a disulfide-linked homodimer and is strongly expressed in the thymus, and to a lesser extent in the spleen, lymph node, and peripheral blood lymphocytes. TRAT1 is phosphorylated on tyrosines by LCK or FYN upon TCR activation. Its function is to stabilize the TCR (T-cell antigen receptor)/CD3 complex at the surface of T-cells.