



Recombinant Protein Technical Manual

Recombinant Human TMPO Protein (His Tag)

RPES0827

Product Data:

Product SKU: RPES0827

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P42167

Protein Information:

Molecular Mass: 21.6 kDa

AP Molecular Mass: 23 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: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

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

Application:

Synonyms: Lamina-Associated Polypeptide 2 Isoforms Beta/Gamma; Thymopoietin Isoforms Beta/Gamma; TP Beta/Gamma; Thymopoietin-Related Peptide Isoforms Beta/Gamma; TPRP Isoforms Beta/Gamma; Thymopoietin; TP; Splenin; Thymopentin; TP5; TMPO; LAP2

Immunogen Information:

Sequence: Pro2-Glu187

Background:

Thymopentin is a member of the LEM family. Thymopentin is expressed in many tissues, highly in the adult thymus and fetal liver. The N-terminal contains two structurally independent domains, LEM domain and LEM-like domain. The C-terminal domain forms a four-stranded coiled coil. Thymopentin may be involved in the structural organization of the nucleus and in the post-mitotic nuclear assembly. It is associated with T-cell development and function. Meantime, Thymopentin plays an important role, together with LMNA, in the nuclear anchorage of RB1. Thymopietin is participated in the induction of CD90 in the thymus.