Recombinant Human TMPO Protein (His Tag)

Catalog Number: PKSH033116



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

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

SpeciesHumanExpression HostE.coli

SequenceMet1-Glu187AccessionP42167Calculated Molecular Weight21.6 kDaObserved molecular weight27 kDaTagC-His

Properties

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

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

Storage Generally, 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 PBS, pH 7.4.

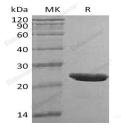
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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. Thymopoietin is

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participated in the induction of CD90 in the thymus.

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