

Recombinant Human TMPO Protein (His Tag)

Catalog Number:PKSH033116



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

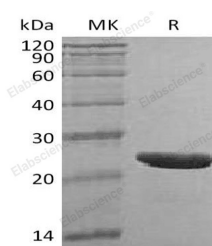
Description

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
Species	Human
Expression Host	E.coli
Sequence	Met1-Glu187
Accession	P42167
Calculated Molecular Weight	21.6 kDa
Observed molecular weight	27 kDa
Tag	C-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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