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Datasheet for ABIN7319086

Thymopoietin Protein (TMPO) (His tag)

Overview

Quantity:	50 µg
Target:	Thymopoietin (TMPO)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Thymopoietin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TMPO Protein (His Tag)
Sequence:	Pro2-Glu187
Characteristics:	Recombinant Human Thymopoietin is produced by our E.coli expression system and the target gene encoding Pro2-Glu187 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Thymopoietin (TMPO)
Alternative Name:	TMPO (TMPO Products)
Background:	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-

Target Details

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 participated in the induction of CD90 in the thymus.

Synonym: 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

Molecular Weight: 21.6 kDa

UniProt: [P42167](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

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

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.