

Recombinant Human TMPO

Cat. No. TMPO-7815H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Thymopoietin is produced by our E. coli expression system. The target protein is expressed with sequence (Pro2Glu187) of Human Thymopoietin.
Species	Human
Source	E.coli
Description	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 LEMlike domain. The Cterminal domain forms a fourstranded coiled coil. Thymopentin may be involved in the structural organization of the nucleus and in the postmitotic nuclear assembly. It is associated with Tcell 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.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Notes	For research use only.
Storage	Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C. for 2-7 days.Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.

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GENE INFORMATION

Gene Name	TMPO thymopoietin [Homo sapiens]
Official Symbol	TMPO
Synonyms	TMPO; thymopoietin; LAP2; LEM domain containing 4; LEMD4; TP; TP alpha; TP beta/gamma; lamina-associated polypeptide 2; thymopoietin-related peptide isoform alpha; thymopoietin-related peptide isoforms beta/gamma; CMD1T; PRO0868; MGC61508;
Gene ID	7112
mRNA Refseq	NM_001032283
Protein Refseq	NP_001027454
MIM	188380
UniProt ID	P42166
Chromosome Location	12q22
Function	DNA binding; lamin binding; protein binding;

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