

32-7158: Recombinant Human Thymopoietin/TMPO/LAP2 (C-6His)(Discontinued)

Gene : TMPO
Gene ID : 7112
Uniprot ID : P42167

Description

Source: E.coli.
MW :21.6kD.

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. 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 participated in the induction of CD90 in the thymus.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Storage condition : Lyophilized protein should be stored at -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 -20°C for 3 months.
Amino Acid : MPEFLEDPSVLTKDKLSELVANNVTLPAGEQRKDYYVQLYLQHLTARNRPLPAGTNSKGPPDFSSDEEREPT
PVLGSGAAAAGRSRAAVGRKATKKTDKPRQEDKDDLVDVTELTNEDLLDQLVKYGVNPGPIVGTTRKLYEKKLL
KLREQGTESRSSTPLPTISSAENTRQNGSNDSDRYSDNELEHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.