

Product datasheet for **TP723457**

Thpo (NM_009379) Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse thrombopoietin (Thpo), transcript variant 2. |
| Species: | Mouse |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | SPVAPACDPR LLNKLLRDSH LLHSRLSQCP DVDPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL LEGVMAARGQ LEPSCLSSLL GQLSGQVRL LGALQGLLGT QLPLQGRTTA HKDPNALFLS LQQLLRGKVR FLLLVEGPTL CVRRTLPTTA VPSSTSQLLT LNKF |
| Tag: | Tag Free |
| Predicted MW: | 18.7 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2 |
| Bioactivity: | The ED50 was determined by the dose-dependent stimulation of the proliferation of human MO7e cells was found to be > 1.0 ng/ml, corresponding to a specific activity of > 1 x 10 ⁶ units/mg. |
| Endotoxin: | Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_033405 |
| Locus ID: | 21832 |
| UniProt ID: | P40226 |
| RefSeq Size: | 2262 |
| Cytogenetics: | 16 12.51 cM |
| RefSeq ORF: | 1068 |
| Synonyms: | Mgdf; Ml; Mp; Mpllg; T; Tpo |



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Summary:

This gene encodes a humoral growth factor necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. The encoded protein is a ligand for the product of the myeloproliferative leukemia virus oncogene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]