

Thrombopoietin Recombinant Protein | TPO recombinant protein

Recombinant Thrombopoietin (TPO)

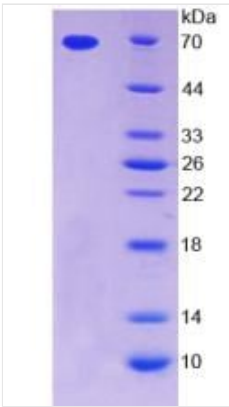
CATALOG # AAA144502	HOST Host: E ColiSource: Prokaryotic expression	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Thrombopoietin; Recombinant Thrombopoietin (TPO); TPO recombinant protein

PRODUCT SPECIFICATIONS

Host	Host: E Coli Source: Prokaryotic expression
Purity/Purification	>95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Concentration	8.5 (varies by lot)
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow.MSPILGY WKIKGLVQPT RLLLEYLEEK YEEHLYERDE GDKWRNKKFE LGLEFPNLPY YIDGDVKLTQ SMAIIRYIAD KHNMLGGCPK ERAEISMLEG AVLDIRYGV S RIAYSKDFET LKVDFLSKLP EMLKMFEDRL CHKTYLNGDH VTHPDFMLYD ALDVVLYMDP MCLDAFPKLV CFKKRIEAI QIDKYLKSSK YIAWPLQGQWQ ATFGGGDHPP KSDGSTSGSG HHHHHHSAGL VPRGSTAIGM KETAAAKFER QHMDSPDLGT GGGSGIEGRG SMGYRGSEF- SPAPPACDLR VLSKLLRDSH VLHSRLSQCP EVHPLPTPVL LPAVDFSLGE WKTQMEETKA QDILGAVTLL LEGVMAARGQ LGPTCLSSLL GQLSGQVRL• LLGALQSLLG TQGRTHAKD PNAIFLSFQH LLRGKVRFLM LVGGSTLCVR RAPPTTAVPS RTSVLTLNE LPNRTSGLLE TNFTASARTT GSGLLKWQQG FRAKIPGLLN QTSRSLDQIP •GYLNRIHEL LNGTRGLFPG PSRRTLGA PD ISSGTSDTGS LPPNLQPGYS PSPTHPPTGQ Y•TLFPLPPT LPTPVVQLHP LLPDPSAPTP TPTSPDLLNTS YTHSQNLSQE G
Sequence Length	353
Applicable Applications for TPO recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	67.4kDa
Accurate Molecular Mass (KD)	65kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	two N-terminal Tags, His-tag and GST-tag
Organism Species	Homo sapiens (Human)
Fragment	Ser22~Gly349
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Sequence

	SPAPPACDL	RVLSKLLRDS	HVLHSRLSQC
PEVHPLPTPV	LLPAVDFSLG	EWKTQMEETK	AQDILGAVTL
QLGPTCLSSL	LGQLSGQVRL	LLGALQSLLG	TQGRTTAHKD
LLRGKVRFLM	LVGGSTLCVR	RAPPTTAVPS	RTSLVLTLINE
TNFTASARTT	GSGLLKWQGG	FRAKIPGLLN	QTSRSLDQIP
NGTRGLFPGP	SRRTLGAPOI	SSGTSDTGSL	PPNLQPGYSP
TLFPLPPTLP	TPVVQLHPLL	PDPSAPTPTP	TSPLLNTSYT
			HSQNLSEQEG

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	586798208
NCBI GeneID	7066
NCBI Accession #	NP_001276927.1
NCBI GenBank Nucleotide #	NM_001289998.1
Molecular Weight	33,604 Da
NCBI Official Full Name	thrombopoietin isoform 1
NCBI Official Synonym Full Names	thrombopoietin
NCBI Official Symbol	THPO
NCBI Official Synonym Symbols	ML; TPO; MGDF; MKCSF; MPLLG; THCYT1
NCBI Protein Information	thrombopoietin
UniProt Protein Name	Thrombopoietin
UniProt Gene Name	THPO
UniProt Synonym Gene Names	MGDF; ML; MGDF
UniProt Entry Name	TPO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.