

Product datasheet for **TP302170L**

Thymidine Phosphorylase (TYMP) (NM_001953) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human thymidine phosphorylase (TYMP), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202170 protein sequence Red =Cloning site Green =Tags(s)

MAALMTPGTGAPPAPGDFSGEGSQGLPDPSPPEPKQLPELIRMKRDGGRLSEADIRGFVAAVVNGSAQGAQ
IGAMLMAIRLRGMDLEETSVLTQALAQSGQQLWPEAWRQQLVDKHSTGGVGDVSLVLPALAAACGCKV
PMISGRGLGHTGGTLDKLESIPGFNVIQSPEQMQLVLDQAGCCIVGQSEQLVPAEGILYAARDVTATVDS
LPLITASILSKLVEGLSALVVDVKFGGA AVFPNQEQA RELAKTLVGVGASLGLRVAAALTDMDKPLGRC
VGHAVEVEEALLCMDGAGPPDLRDLVTTLGGALLWLSGHAGTQAQGAARVAAALDDGSALGRFRERMLAAQ
GVDPGLARALCSGSPAERRQLLPRAREQEELLAPADGTVELVRALPLALVHELHAGRSRAGEPLRLGVG
AELLVDVGRQLRRGTPWLRVHRDGPALSGPQSRALQEALVLSDRAPFAAPSPFAELVLPQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

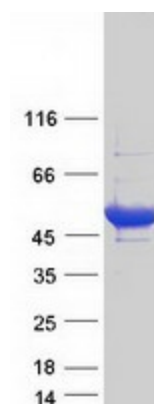
Tag:	C-Myc/DDK
Predicted MW:	49.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001944



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Locus ID:	1890
UniProt ID:	P19971 , E5KRG5
RefSeq Size:	1667
Cytogenetics:	22q13.33
RefSeq ORF:	1446
Synonyms:	ECGF; ECGF1; hPD-ECGF; MEDPS1; MNGIE; MTDPS1; PDECGF; TP
Summary:	This gene encodes an angiogenic factor which promotes angiogenesis in vivo and stimulates the in vitro growth of a variety of endothelial cells. It has a highly restricted target cell specificity acting only on endothelial cells. Mutations in this gene have been associated with mitochondrial neurogastrointestinal encephalomyopathy. Multiple alternatively spliced transcript variants have been identified. [provided by RefSeq, Apr 2012]
Protein Families:	Druggable Genome
Protein Pathways:	Bladder cancer, Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified TYMP protein (Cat# [TP302170]). The protein was produced from HEK293T cells transfected with TYMP cDNA clone (Cat# [RC202170]) using MegaTran 2.0 (Cat# [TT210002]).