

Recombinant Full Length Human TYMP Protein, C-Flag-tagged

Cat. No. TYMP-2074HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TYMP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	49.8 kDa
AA Sequence	MAALMTPGTGAPPAPGDFSGEGSQGLPDPSPEPKQLPELIRMKRDGGRLSEADIRG FVAADVNGSAQGAQ IGAMLMAIRLRGMDLEETSVLTQALAQSGQQLEWPEAWRQ QLVDKHSTGGVGDVSLVLAPALAACGCKV PMISGRGLGHTGGTLDKLESIPGFNVI QSPEQMQLLDQAGCCIVGQSEQLVPAEGILYAARDVTATVDS LPLITASILSKKLVE GLSALVVDVKFGGAAVFPNQEQARELAKTLVGVGASLGLRVAAALTAMDKPLGRC VGHAEVEEALLCMDGAGPPDLRLDLVTTLGGALLWLSGHAGTQAQGAARVAAALD DGSALGRFERMLAAQ GVDPGLARALCSGSPAERRQLLPRAREQEELLAPADGTVE LVRALPLALVLHELGAAGRSRAGEPLRLGVG AELLVDVGQRLRRGTPWLRVHRDGP

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	ALSGPQSRALQEALVLSRAPFAAPSPFAELVLPPQQ TRTRPLEQKLISEEDLAAND ILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Bladder cancer, Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism
Full Length	Full L.

GENE INFORMATION

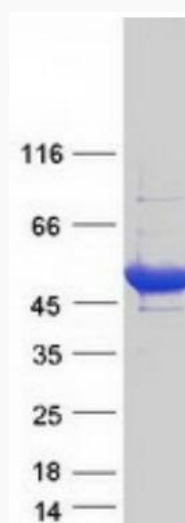
Gene Name	TYMP thymidine phosphorylase [Homo sapiens (human)]
Official Symbol	TYMP
Synonyms	TP; ECGF; ECGF1; MNGIE; MEDPS1; MTDPS1; PDECGF; hPD-ECGF
Gene ID	1890

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mRNA Refseq	NM_001953.5
Protein Refseq	NP_001944.1
MIM	131222
UniProt ID	P19971



Coomassie blue staining of purified TYMP protein.