

Recombinant Human TYMP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TYMP-5920H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TYMP MS Standard C13 and N15-labeled recombinant protein (NP_001944) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	50 kDa
AA Sequence	MAALMTPGTGAPPAPGDFSGEGSQGLPDPSPEPKQLPELIRMKRDGGRLSEADIRG FVAADVNGSAQGAQIGAMLMALRLRGMDLEETSVLTQALAQSGQQLEWPEAWRQQ LVDKHSTGGVGDVKVSLVLAPALAACGCKVPMISGRGLGHTGGTLDKLESIPGFNVIQ SPEQMQLVLLDQAGCCIVGQSEQLVPAEGILYAARDVTATVDSLPLITASILSKKLVEG LSALVVDVKFGGAADVFPNQEQAARELAKTLVGVGASLGLRVAAALTAMDKPLGRCVG HALEVEEALLCMDGAGPPDLRDLVTTLGGALLWLSGHAGTQAQGAARVAAALDDG SALGRFERMLAAQGVDPGLARALCSGSPAERRQLLPRAREQEELLAPADGTVELVR ALPLALVLHELGAAGRSRAGEPLRLGVGAELLVDVGQRLRRGTPWLRVHRDGPALSG

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	PQSRALQEALVLSDRAPFAAPSPFAELVLPPQQTRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TYMP thymidine phosphorylase [Homo sapiens (human)]
Official Symbol	TYMP
Synonyms	TYMP; thymidine phosphorylase; ECGF1, endothelial cell growth factor 1 (platelet derived), MNGIE; gliostatin; tdRPase; TP; ECGF; ECGF1; MNGIE; MEDPS1; MTDPS1; PDECGF; hPD-ECGF;
Gene ID	1890
mRNA Refseq	NM_001953
Protein Refseq	NP_001944
MIM	131222

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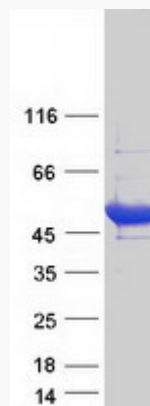
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UniProt ID

P19971

SDS-PAGE

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