

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
 FVAAVVNGSAQGAQIGAMLMAIRLRGMDLEETSVLTQALAQSGQQLEWPEAWRQQ
 LVDKHSTGGVGDKVSLVLAPALAACGCKVPMISGRGLGHTGGTLDKLESIPGFNVIQ
 SPEQMQLLDQAGCCIVGQSEQLVPAEGILYAARDVTATVDSLPLITASILSKKLVEG
 LSALVVDVKFGGAAVFPNQEQAARELAKTLVGVGASLGLRVAAALTAMDKPLGRCVG
 HALEVEEALLCMDGAGPPDLRDLVTTLGGALLWLSGHAGTQAQGAARVAAALDDG
 SALGRFERMLAAQGVDPGLARALCSGSPAERRQLLPRAREQEELLAPADGTVELVR
 ALPLALVLHELGAAGRSRAGEPLRLGVGAELLVDVGQRLRRGTPWLRVHRDGPALSG

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PQSRALQEALVLSDRAPFAAPSPFAELVLPQQRTRTRPLEQKLISEEDLAANDILDYK
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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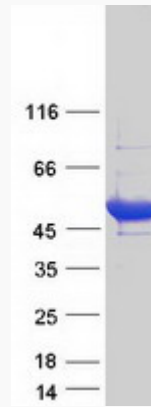
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UniProt ID

P19971

SDS-PAGE



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