Recombinant Full Length Human TYMP Protein, GST-tagged

Cat. No. TYMP-4052H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ECGF1 full-length ORF (AAH52211.1, 1 a.a. - 482 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	1-482 a.a.
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. [provided by RefSeq, Apr 2012]
Molecular Mass	76.4 kDa
AA Sequence	MAALMTPGTGAPPAPGDFSGEGSQGLPDPSPEPKQLPELIRMKRDGGRLSEADIRG FVAAVVNGSAQGAQIGAMLMAIRLRGMDLEETSVLTQALAQSGQQLEWPEAWRQQ LVDKHSTGGVGDKVSLVLAPALAACGCKVPMISGRGLGHTGGTLDKLESIPGFNVIQ SPEQMQVLLDQAGCCIVGQSEQLVPADGILYAARDVTATVDSLPLITASILSKKLVEG LSALVVDVKFGGAAVFPNQEQARELAKTLVGVGASLGLRVAAALTAMDKPLGRCVG HALEVEEALLCMDGAGPPDLRDLVTTLGGALLWLSGHAGTQAQGAARVAAALDDG SALGRFERMLAAQGVDPGLARALCSGSPAERRQLLPRAREQEELLAPADGTVELVR

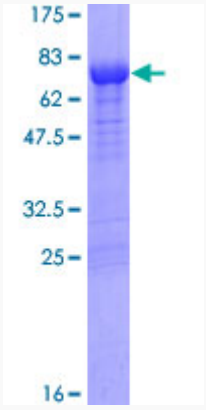
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	ALPLALVLHELGAGRSRAGEPLRLGVGAELLVDVGQRLRRGTPWLRVHRDGPALSG PQSRALQEALVLSDRAPFAAPLPFAELVLPPQQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	TYMP thymidine phosphorylase [Homo sapiens]
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_001113755
Protein Refseq	NP_001107227
MIM	131222

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UniProt ID	P19971
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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