



# Recombinant Human Thymidine phosphorylase (TYMP)

<b>Product Code</b>	CSB-EP025392HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P19971
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	APPAPGDFSG EGSQGLPDPS PEPKQLPELI RMKRDGGRLS EADIRGFVAA VVNGSAQGAQ IGAMLMAIRL RGM DLEETSV LTQALAQSGQ QLEWPEAWRQ QLVDKHSTGG VGDKVSLVLA PALAACGCKV PMISGRGLGH TGGTLDKLES IPGFNVIQSP EQMQVLLDQA GCCIVGQSEQ LVPADGILYA ARDVTATVDS LPLITASILS KKLVEGLSAL VVDVKFGGAA VFPNQEARE LAKTLVGVGA SLGLRVAAAL TAMDKPLGRC VGHAVEVEEA LLCMDGAGPP DLRDLVTTLG GALLWLSGHA GTQAQGAARV AAALDDGSAL GRFERMLAAQ GVDPLARAL CSGSPAERRQ LLPRAREQEE LLAPADGTVE LVRALPLALV LHELGAGRSR AGEPLRLGVG AELLVDVGQR LRRGTPWLRV HRDGPALSGP QSRALQEALV LSDRAPFAAP SPFAELVLPP QQ
<b>Source</b>	E.coli
<b>Target Names</b>	TYMP
<b>Protein Names</b>	Recommended name: Thymidine phosphorylase Short name= TP EC= 2.4.2.4 Alternative name(s): Gliostatin Platelet-derived endothelial cell growth factor Short name= PD-ECGF TdRPase
<b>Expression Region</b>	11-482
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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 variants, encoding the same protein, have been identified.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . The shelf life of lyophilized form is 12 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .