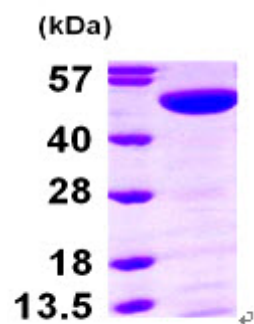


AR09670PU-L

Human Thymidine phosphorylase (TYMP) (11-482, His-tag) - Purified

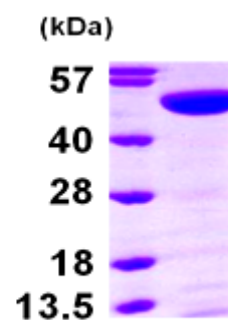
Alternate names:	ECGF1, Gliostatin, PD-ECGF, Platelet-derived endothelial cell growth factor, TdRPase
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	Thymidine phosphorylase precursor, also known TYMP, is a platelet-derived endothelial cell growth factor that catalyzes the formation of thymine and 2-deoxy-D-ribose-1-phosphate from thymidine and orthophosphate. It is an angiogenic inducer that potentially stimulates the growth of endothelial cells and induces chemotaxis. Increased expression of TYMP is seen in a wide variety of different solid tumors and inflammatory diseases and is often associated with poor prognosis.
Uniprot ID:	P19971
NCBI:	NP_001107227
GeneID:	1890
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Description:	Recombinant human TYMP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MAPPAPGDFS GEGSQGLPDP SPEPKQLPEL IRMKRDGGRL SEADIRGFVA AVVNGSAQGA QIGAMLMAIR LRGMDLEETS VLTQALAQSG QQLEWPEAWR QQLVDKHSTG GVGDKVSLVL APALACGCK VPMISGRGLG HTGGTLDKLE SIPGFNVIQS PEQMQLLDQ AGCCIVGQSE QLVPADGILY AARDVTATVD SLPLITASIL SKKLVEGLSA LVVDVKFPGA AVFPNQEQR ELAKTLVGVG ASLGLRVAAA LTAMDKPLGR CVGHALEVEE ALLCMDGAGP PDLRDLVTTL GGALLWLSGH AGTQAQGAAR VAAALDDGSA LGRFERMLAA QGVDPGLARA LCSGSPAERR QLLPRAREQE ELLAPADGTV ELVRALPLAL VLHELGAARS RAGEPLRLGV GAELLVDVGQ RLRRGTPWLR VHRDGPALSG PQSRALQEAL VLSRAPFAA PSPFAELVLP PQQ Molecular weight: 51.3 kDa (493aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human TYMP, 11- 482 aa,
His-tagged



15% SDS-PAGE (3ug)