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32-2875: TYMP Recombinant Protein

Alternative Name :	Thymidine phosphorylase,Gliostatin,Platelet-derived endothelial cell growth factor,PD-ECGF,TdRPase,TYMP,ECGF1,TP,MNGIE,MEDPS1,MTDPS1,PDECGF,hPD-ECGF.

Description

Source : Escherichia Coli. TYMP Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 493 amino acids (11-482 a.a.) and having a molecular mass of 51.3kDa. The TYMP is purified by proprietary chromatographic techniques. Thymidine phosphorylase precursor (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. TYMP is an angiogenic inducer that potently stimulates the growth of endothelial cells and induces chemotaxis. TYMP has a highly restricted target cell specificity acting only on endothelial cells. An increased expression of TYMP is found in a broad array of different solid tumors and inflammatory diseases and is frequently associated with poor prognosis. Mutations in the TYMP gene are linked to mitochondrial neurogastrointestinal encephalomyopathy.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The TYMP solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.
Storage condition :	TYMP should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAPPAPGDFS GEGSQGLPDP SPEPKQLPEL IRMKRDGGRL SEADIRGFVA AVVNGSAQGA QIGAMLMAIR LRGMDLEETS VLTQALAQSG QQLEWPEAWR QQLVDKHSTG GVGDKVSLVL APALAACGCK VPMISGRGLG HTGGTLDKLE SIPGFNVIQS PEQMQVLLDQ AGCCIVGQSE QLVPADGILY AARDVTATVD SLPLITASIL SKKLVEGLSA LVVDVKFGGA AVFPNQEQAR ELAKTLVGVG ASLGLRVAAA LTAMDKPLGR CVGHALEVEE ALLCMDGAGP PDLRDLVTTL GGALLWLSGH AGTQAQGAAR VAAALDDGSA LGRFERMLAA QGVDPGLARA LCSGSPAERR QLLPRAREQE ELLAPADGTV ELVRALPLAL VLHELGAGRS RAGEPLRLGV GAELLVDVGQ RLRRGTPWLR VHRDGPALSG PQSRALQEAL VLSDRAPFAA PSPFAELVLP PQQ.