

Thymidine Phosphorylase Human Recombinant

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| Item Number | rAP-1576 |
| Synonyms | Thymidine phosphorylase, Gliostatin, Platelet-derived endothelial cell growth factor, PD-ECGF, TdRPase, TYMP, ECGF1, TP, MNGIE, MEDPS1, MTDPS1, PDECGF, hPD-ECGF. |
| Description | 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. |
| Uniprot Accesion Number | P19971 |
| Amino Acid Sequence | MGSSHHHHH SSGLVPRGSH MAPPAGDFS GEGSQGLPDP SPEPKQLPEL IRMKRDGGRL SEADIRGFVA AVVNGSAQGA QIGAMLMAIR LRGMDLEETS VLTQALAQSG QQLEWPEAWR QQLVDKHSTG GVGDKVSLVL APALAACGCK VPMISGRGLG HTGGTLDKLE SIPGFNVIQS PEQMQLLDQ AGCCIVGQSE QLVPADGILY AARDVTATVD SLPLITASIL SKKLVEGLSA LVVDVKFGGA AVFPNQEQR ELAKTLVGVG ASLGLRVAAA LTAMDKPLGR CVGHAEVEE ALLCMDGAGP PDLRDLVTTL GGALLWLSGH AGTQAQGAAR VAAALDDGSA LGRFERMLAA QGVDPGLARA LCSG- SPAERR QLLPRAREQE ELLAPADGTV ELVRALPLAL VLHELGAERS RAGEPLRLGV GAELLVDVGG RLRRGTPWLR VHRDGPALSG PQSRALQEAL VLSDRAPFAA PSPFAELVLP PQQ. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| Formulation and Purity | The TYMP solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE. |
| Application | |
| Solubility | |
| Biological Activity | |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**