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Product datasheet for AR09670PU-L

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

Product data:

Product Type:	Recombinant Proteins
Description:	Thymidine phosphorylase (TYMP) (11-482, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	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
Tag:	His-tag
Predicted MW:	51.3 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TYMP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001107227
Locus ID:	1890

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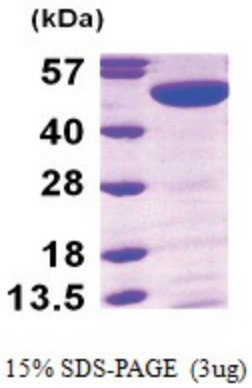
UniProt ID:	P19971, E5KRG5, B2RBL3
Cytogenetics:	22q13.33
Synonyms:	ECGF; ECGF1; hPD-ECGF; MEDPS1; MNGIE; MTDPS1; PDECGF; TP
Summary:	This gene encodes an angiogenic factor which promotes angiogenesis in vivo and stimulates the in vitro growth of a variety of endothelial cells. It has a highly restricted 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]
Protein Families:	Druggable Genome
Protein Pathways:	Bladder cancer, Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

Product images:



15% SDS-PAGE (3ug)