

## Product datasheet for TP302170M

### Thymidine Phosphorylase (TYMP) (NM\_001953) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human thymidine phosphorylase (TYMP), transcript variant 2, 100 µg |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC202170 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)              |

MAALMTPGTGAPPAPGDFSGEGSQGLPDPSPPEPKQLPELIRMKRDGGRLSEADIRGFVAAVVNGSAQGAQ  
IGAMLMAIRLRGMDLEETSVLTQALAQSGQQLEWPEAWRQQLVDKHSTGGVGDVSLVLPALAAACGCKV  
PMISGRGLGHTGGTLDKLESIPGFNVIQSPEQMQLVLLDQAGCCIVGQSEQLVPAEGILYAARDVTATVDS  
LPLITASILSKLVEGLSALVVDVKFGGA AVFPNQEQA RELAKTLVGVGASLGLRVAAALTDMDKPLGRC  
VGHAVEVEEALLCMDGAGPPDLRDLVTTLGGALLWLSGHAGTQAQGAARVAAALDDGSALGRFRERMLAAQ  
GVDPGLARALCSGSPAERRQLLPRAREQEELLAPADGTVELVRALPLALVLHELGA GRSRAGEPLRLGVG  
AELLVDVGRQLRRGTPWLRVHRDGPALSGPQSRALQEALVLSDRAPFAAPSPFAELVLPQQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

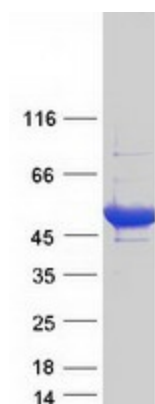
|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 49.8 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <a href="#">NP_001944</a>  |



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|                   |   |
|-------------------|---|
| Locus ID:         | 1890  |
| UniProt ID:       | <a href="#">P19971</a> , <a href="#">E5KRG5</a>   |
| RefSeq Size:      | 1667  |
| Cytogenetics:     | 22q13.33  |
| RefSeq ORF:       | 1446  |
| 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:



Coomassie blue staining of purified TYMP protein (Cat# [TP302170]). The protein was produced from HEK293T cells transfected with TYMP cDNA clone (Cat# [RC202170]) using MegaTran 2.0 (Cat# [TT210002]).