

## Product datasheet for **TP507663**

### Shmt1 (NM\_009171) Mouse Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Mouse serine hydroxymethyltransferase 1 (soluble) (Shmt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species:                              | Mouse  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >MR207663 representing NM_009171<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |

MADRDATLWASHEKMLSQPLKSDAEVYSIIKKESNRQRVGLELIASENFASRAVLEALGSCLNKYSEG  
YPGQRYGGTEFIDELEMLCQKRALQAYHLDPQCWGVNVQPYSGSPANFAVYTALVEPHGRIMGLDLPDG  
GHLTHGFMTDKKISATSIFFESMPYKVYPETGYINYDQLEENASLFHPKLIAGTSCYSRNLDYARLRK  
IADDNGAYLMADMAHISGLVAAGVVPSPFEHCHVVTTHKTLRGCRAGMIFYRKGVRSDPKTGKETY  
ELESINSVFPGLQGGPHNHAIGVAVALKQAMTTEFKIYQLQVLANCRALSDALTELGKIVTGGSDN  
HLILMDLRSGTDGGRAEKVLEACSIACNKNTCPGDKSALRPSGLRLGTPALTSRGLLEEDFQKVAHFH  
RGIELTLQIQSHMATKATLKEFKEKLAGDEKIQSAVATLREEVENFASNFLPGLPDF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |  |
|----------------|--|
| Tag:           | C-MYC/DDK  |
| Predicted MW:  | 53.1 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   |
| 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 after receiving vials.  |
| 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_033197</a>  |
| Locus ID:      | 20425  |



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UniProt ID: [P50431](#)

RefSeq Size: 2074

Cytogenetics: 11 B2

RefSeq ORF: 1434

Synonyms: A1324848; A1385541; C81125; mshmt; mshmt1; mshmt2; Shmt

Summary: Interconversion of serine and glycine.[UniProtKB/Swiss-Prot Function]