

Product datasheet for TP525489

Sycp3 (NM_011517) Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse synaptonemal complex protein 3 (Sycp3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR225489 protein sequence Red =Cloning site Green =Tags(s) |
| | MLRGCSDSDSSPEPLSKHLKMVPGGRKHSGKSGKPPLVDQPKAFDFEKDDKDLGSEEDVADEKAPVID KHGKKRSAGIIEDVGGEVQNMLEKFGADINKALLAKRKRIEMYTKASFASNQKIEQIWKTQQEEIQKLN NEYSQQFMNVLQQWELDIQKFEEQGEKLSNLFRRQQKIFQQSRIVQSQRMKAIKQIHEQFIKSLEDVEKN NDNLFTGTQSELKKEMAMLQKKVMMETQQQEMANVRKSLQSMFL TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-MYC/DDK |
| Predicted MW: | 29.3 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: | NP_035647 |
| Locus ID: | 20962 |
| UniProt ID: | P70281 , A2RSE7 |
| RefSeq Size: | 1132 |



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Cytogenetics: 10 C1

RefSeq ORF: 765

Synonyms: Cor1; Scp3

Summary: Component of the synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase (PubMed:11311943, PubMed:22761579). Required for centromere pairing during meiosis in male germ cells (PubMed:22761579). Required for normal meiosis during spermatogenesis and male fertility (PubMed:10678170). Plays a lesser role in female fertility (PubMed:10678170, PubMed:12004129). Required for efficient phosphorylation of HORMAD1 and HORMAD2 (PubMed:22346761).[UniProtKB/Swiss-Prot Function]