

## Product datasheet for TP509112

### Spata7 (NM\_178914) Mouse Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Mouse spermatogenesis associated 7 (Spata7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species:                              | Mouse  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >MR209112 protein sequence<br>Red=Cloning site Green=Tags(s)   |

MDGSRVRATSVLPRYSPPCLFTGHLSTKSNFCTDSSSLRLSTLQLVKNHMAIHYNKILSAKAAVDCSI  
PVSVNTSIKYADQQRREKLRKELARCEKEFKLSKSAMQTN SKMNSKFFVNSLQKPSGEPQDQDV FIEEMI  
RYPFSKSLIPSSSEGLHLSPSSKMLMSGTQKHASTSPSRHSGCGHGCDRRRPSAHQFQVALAKTPSGD  
LLEKHSDFSNKQSPFTPRTLKTEAKSFLSQYRYTPAKRRKDFSDQRMEAEQTTELSSFNSELGTAECT  
SSKDSEVNINQVPNYTRNGAEDKIAPLPSQGQNLAWDSIQDGILQSSERASCKLSTEFSPDSKIYSDEE  
ELLYLSFMENVTDEILKLGFLSNRFLERLFRERHIKKNKHHLEEGKMRYLLHGLKVDLGCISEEDPAKQKH  
FRMLNQLHFQKALISRENEFVSD EETVSHHERQQYQEALDMLS AVPKDENKM FSLPGEFLIPAHKVKHSE  
GVIIQQVND ETDNEAS PWNENNPSVSDSVIDQETSVDVIEGDSDFERAETSREL CCLSTLSLSPSGPFPSI  
NGGSNHGKELSTLRIMGMSIED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                |  |
|----------------|--|
| Tag:           | C-MYC/DDK  |
| Predicted MW:  | 65.7 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.        |



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RefSeq: [NP\\_849245](#)

Locus ID: 104871

UniProt ID: [Q80VP2](#), [Q3U5D0](#)

RefSeq Size: 2071

Cytogenetics: 12 E

RefSeq ORF: 1749

Synonyms: AI661438; B230306G18Rik; HSD3

**Summary:** Involved in the maintenance of both rod and cone photoreceptor cells (PubMed:25398945, PubMed:29100828, PubMed:29899041). Required for photoreceptor-specific localization of proximal connecting cilium (CC) proteins RPGR, AHI1, NPHP1, NPHP4, and RPGRIP1 at the distal CC, a photoreceptor-specific extension of the primary cilium transition zone (PubMed:25398945, PubMed:29100828, PubMed:29899041). Maintenance of protein localization at the photoreceptor-specific distal CC is essential for normal microtubule stability and to prevent photoreceptor degeneration (PubMed:25398945, PubMed:29899041).  
[UniProtKB/Swiss-Prot Function]