

Product datasheet for **TP311834**

SPATA5 (NM_145207) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human spermatogenesis associated 5 (SPATA5), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC211834 representing NM_145207 Red =Cloning site Green =Tags(s) |

MSSKKNRRLNQAENGSSLSAASSCAEARAPSAGSDFAAATSGTLTVTNLLKVDKIPKTFQNSLIHL
GLNTMKSANICIGRPVLLTSLNGKQEVYTAWPMAGFPGGKVGLSEMAQKNVGVPRGDVQVQPLVAVLQ
AEEMDVALSDKMEINEEELTGCILRKLKDGKIVLPGNPLYCTFYGRPYKLQVLRVKGADGMILGGPQSDS
DTDAQRMFAEQSSMETSSLESLQLSLEDLTDQIPTSRSTPYKPIDDRITNKASDVLLDVTQSPGDGSG
LMLEEVTGLKCNFESAREGNEQLTEERLLKFSIGAKCNTDTFYFISSTTRVNFTEIDKNSKEQDNQFKV
TYDMIGGLSSQLKAIREIIEPLKQPELFSYGIAPRGVLLYGPPGTGKTMARAVANEVGAIVSVING
PEIISKFYGETEAKLRQIFAEATLRHPSIIFIDELDALCPKREGAQNEVEKRVASLLTMDGIGSEVSE
GQVLVLGATNRPHALDAALRRPGRFDKEIEIGVNAQDRDLQKLLRRVPHLLTEALLQLANSAHGYY
GADLKVLCNEAGLCALRRILKKQPNLPDVKVAGLVKITLKDFLQAMNDIRPSAMREIAIDVNVSWSDIG
GLESIKLLEQAVEWPLKHPESFIRMGIQPPKGVLLYGPPGCSKTMIAKALANESGLNFLAIKGPPELNMN
YVGESERAVRETFRKARAVAPSIIFDELDAVERGSSLGAGNVADRVLAQLLEMDGIEQLKDVTILA
ATNRPDRIDKALMRPGRIDRIIYVPLDAATRREIFKLQFHSMVPSNEVDLDELILQTDAYSAGAEIVAVC
REAALLALEEDIQANLIMKRHFTQALSTVTPRIPESLRRFYEDYQEKSGLHTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

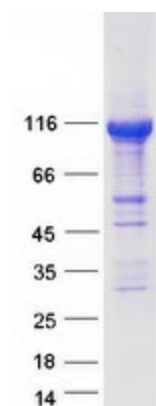
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 97.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |



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| 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: | NP_660208 |
| Locus ID: | 166378 |
| UniProt ID: | Q8NB90 |
| RefSeq Size: | 3359 |
| Cytogenetics: | 4q28.1 |
| RefSeq ORF: | 2679 |
| Synonyms: | AFG2; EHLMRS; SPAF |
| Summary: | This gene encodes a member of the ATPase associated with diverse activities family, whose members are defined by a highly conserved ATPase domain. Members of this family participate in diverse cellular processes that include membrane fusion, DNA replication, microtubule severing, and protein degradation. The protein encoded by this gene has a putative mitochondrial targeting sequence and has been proposed to function in maintenance of mitochondrial function and integrity during mouse spermatogenesis. Allelic variants in this gene have been associated with epilepsy, hearing loss, and cognitive disability syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016] |

Product images:



Coomassie blue staining of purified SPATA5 protein (Cat# TP311834). The protein was produced from HEK293T cells transfected with SPATA5 cDNA clone (Cat# [RC211834]) using MegaTran 2.0 (Cat# [TT210002]).