

Product datasheet for PH311834

SPATA5 (NM_145207) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SPATA5 MS Standard C13 and N15-labeled recombinant protein (NP_660208)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211834
Predicted MW:	97.7 kDa
Protein Sequence:	>RC211834 representing NM_145207 Red =Cloning site Green =Tags(s)

MSSKKNRKRLNQSAENGSSLPASCAEARAPASGSDFAATSGTLTVTNLLEKVDKIPKTFQNSLIHL
 GLNTMKSANICIGRPVLLTSLNGKQEVYTAWPMAGFPGGKVGLSEMAQKNVGVVRPGDAIQVQPLVGAVLQ
 AEEMDVALSDKDMEINEEELTGCILRKLDGKIVLPGNFLYCTFYGRPYKLQVLRVKGADGMILGGPQSDS
 DTDQRMAFEQSSMETSSLELSQLDLEDQIPTSRSTPYKPIDDRITNKASDVLLDVTQSPGDGSG
 LMLEEVTGLKCNFESAREGNEQLTEEERLLKFSIGAKCNTDTFYFISSTTRVNFTEIDKNSKEQDNQFKV
 TYDMIGGLSSQLKAIREIIEPLKQPELFKSYGIPAPRGVLLYGPPGTGKTMIARAVANEVGAYVSVING
 PEIISKFYGETEAKLRQIFAEATLRHPSIIFIDELDALCPKREGAQNEVEKRVVASLLTMDGIGSEVSE
 GQVLVLGATNRPHALDAALRRPGRFDKEIEIGVPNAQDRDLILQKLLRRVPHLLTEAELLQLANSAHGYV
 GADLKVLCNEAGLCALRRILKKQPNLPDVKVAGLVKITLKDFLQAMNDIRPSAMREIAIDVPNVSWSDIG
 GLESIKLEQAVEWPLKHPESFIRMGIQPPKGVLLYGPPGCSKTMIKALANESGLNFLAIKGPPELMNK
 YVGESERAVRETRFRKARAVAPSIIFDELDAVERGSSLGAGNVADRVLAQLLTEMGIEQLKDVTILA
 ATNRPDRIKALMRPGRIDRIIYVPLPDAATREIFKLQFHSMPPVSNEVDLDELILQTDAYSAGAEIVAVC
 REAALLALEEDIQANLIMKRHTQALSTVTPRIPESLRRFYEDYQEKSGLHTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.


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RefSeq: [NP_660208](#)

RefSeq Size: 3359

RefSeq ORF: 2679

Synonyms: AFG2; EHLMRS; SPAF

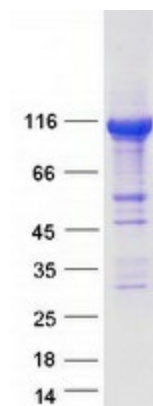
Locus ID: 166378

UniProt ID: [Q8NB90](#)

Cytogenetics: 4q28.1

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]).