

Recombinant Mouse Spata7 Protein, MYC/DDK-tagged

Cat. No. Spata7-269M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse spermatogenesis associated 7 (Spata7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in the maintenance of both rod and cone photoreceptor cells. 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. Maintenance of protein localization at the photoreceptor-specific distal CC is essential for normal microtubule stability and to prevent photoreceptor degeneration.
Molecular Mass	65.7 kDa
Purity	>80%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 ug/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Spata7 spermatogenesis associated 7 [Mus musculus (house mouse)]
Official Symbol	Spata7
Synonyms	Spata7; spermatogenesis associated 7; HSD3; AI661438; B230306G18Rik; spermatogenesis-associated protein 7 homolog
Gene ID	104871
mRNA Refseq	NM_178914
Protein Refseq	NP_849245
UniProt ID	Q80VP2

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