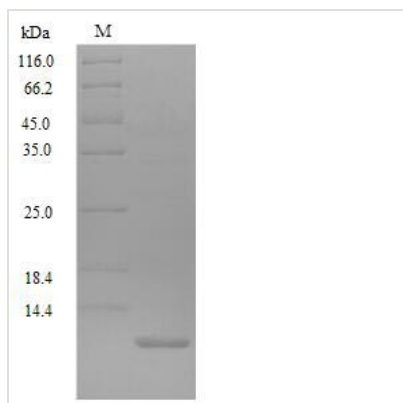




# Recombinant Fruit fly Accessory gland-specific peptide 70A (SP)

<b>Product Code</b>	CSB-YP356570DLU
<b>Relevance</b>	Male seminal protein which triggers short- and long-term post-mating behavioral responses (PMR) in female <i>Drosophila</i> (PubMed:3135120, PubMed:19249273, PubMed:20308537, PubMed:19793753, PubMed:15694303, PubMed:24089336). Binds initially to sperm where it is later cleaved to release an active peptide within the female reproductive tract. Signals via the sex peptide receptor (SPR) in female flies; may also act via other receptors (PubMed:20458515, PubMed:20308537, PubMed:24089336). Moderates the activity of distinct neuronal circuitries in the female genital tract to promote specific PMRs including: enhanced ovulation, increased egg laying rate, increased feeding/foraging rate, induced antimicrobial peptide synthesis, reduced mating receptivity, reduced day-time sleep and reduced lifespan in multiple mated females (PubMed:3135120, PubMed:15694303, PubMed:19249273, PubMed:19793753, PubMed:24089336).
<b>Abbreviation</b>	Recombinant <i>Drosophila melanogaster</i> SP protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P05623
<b>Alias</b>	Paragonial peptide B Sex peptide Short name: SP
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Drosophila melanogaster</i> (Fruit fly)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	WEWPWNRKPTKFPSPNPRDKWCRLNLGPAWGGRC
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	SP
<b>Protein Names</b>	Recommended name: Accessory gland-specific peptide 70A Alternative name(s): Paragonial peptide B Sex peptide Short name= SP
<b>Expression Region</b>	20-55aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	4.3kDa

**Protein Length****Full Length of Mature Protein****Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

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