

Recombinant Human SPACA3 protein, His-tagged

Cat. No. SPACA3-2892H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPACA3(20-123aa) protein was fused to His-tag and expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	104
Description	The protein encoded by this gene is a sperm surface protein that may be involved in adhesion to the egg prior to fertilization. While the encoded protein has significant similarity to lysozyme at the amino acid level, it has no detectable bacteriocidal activity. Several transcript variants encoding different isoforms have been found for this gene.
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5% trehalose and 5% mannitol are added as protectants before lyophilization.
Molecular Mass	17 kDa
AA Sequence	PYAGVCLAYFTSGFNAAALDYEADGSTNNGIFQINSRRWCSNLTPNVPNVCRMYS DLLNPNLKDTVICAMKITQEPQGLGYWEAWRHHCQGKDLTEWVDGCDF
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage

Short-term storage: Store at 2-8 centigrade for (1-2 weeks).
 Long-term storage: Aliquot and store at -20 centigrade to -80 centigrade for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.
 If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).
 Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name	SPACA3
Official Symbol	SPACA3
Synonyms	CT54; LYC3; LYZC; LYZL3; SLLP1; ALLP17
Gene ID	124912
mRNA Refseq	NM_173847.5
Protein Refseq	NP_776246.1

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MIM	612749
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UniProt ID	Q8IXA5
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