

Recombinant Mouse Cers3 Protein, Myc/DDK-tagged

Cat. No. Cers3-2122M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ceramide synthase 3 (Cers3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Ceramide synthase that catalyzes formation of ceramide from sphinganine and acyl-CoA substrates, with high selectivity toward very-long (C22:0-C24:0) and ultra long chain (more than C26:0) as acyl donor. It is crucial for the synthesis of ultra long-chain ceramides in the epidermis, to maintain epidermal lipid homeostasis and terminal differentiation.
Molecular Mass	50.5 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 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Cers3 ceramide synthase 3 [Mus musculus (house mouse)]
Official Symbol	Cers3
Synonyms	Cers3; ceramide synthase 3; L; T3; Cer; T3L; Gm488; Lass3; mCerS3; 4930550L11Rik; ceramide synthase 3; LAG1 homolog, ceramide synthase 3; LAG1 longevity assurance homolog 3; dihydroceramide synthase 3; longevity assurance homolog 3; related to TRH3; sphingosine N-acyltransferase CERS3; EC 2.3.1.24
Gene ID	545975
mRNA Refseq	NM_001164201
Protein Refseq	NP_001157673
UniProt ID	Q1A3B0

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