

Recombinant Human CERS3 Protein, MYC/DDK-tagged

Cat. No. CERS3-3202H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CERS3 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene is a member of the ceramide synthase family of genes. The ceramide synthase enzymes regulate sphingolipid synthesis by catalyzing the formation of ceramides from sphingoid base and acyl-coA substrates. This family member is involved in the synthesis of ceramides with ultra-long-chain acyl moieties (ULC-Cers), important to the epidermis in its role in creating a protective barrier from the environment. The protein encoded by this gene has also been implicated in modification of the lipid structures required for spermatogenesis. Mutations in this gene have been associated with male fertility defects, and epidermal defects, including ichthyosis. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	CERS3 ceramide synthase 3 [Homo sapiens]
Official Symbol	CERS3
Synonyms	ARCI9; LASS3
Gene ID	204219
mRNA Refseq	NM_178842
Protein Refseq	NP_849164
UniProt ID	Q8IU89

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