

Product datasheet for PH305511

LASS3 (CERS3) (NM_178842) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LASS3 MS Standard C13 and N15-labeled recombinant protein (NP_849164)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205511
Predicted MW:	46.2 kDa
Protein Sequence:	>RC205511 protein sequence Red=Cloning site Green=Tags(s)

MFWTFKEWFLERFWLPPTIKWSDLEDHDGLVFKPSHLYVTIPYAFLLLIIRRVFEKFFVASPLAKSFGI
KETVRKVTPTNVLNFFKHSTRQPLQTDIYGLAKKCNLTERQVERWFRSRRNQERPSRLKKFQEACWRFA
FYLMITVAGIAFLYDKPWLYDLWEVWNGYPKQPLLPSQYWYYILEMSFYWSLLFRLGFDVVRKDFLAHII
HHLAAISLMSFSWCANYIRSGTLVMIVHDVADIWLESAKMFSYAGWTQTCNTLFFIFSTIFFISRLIVFP
FWILYCTLILPMYHLEPFFSYIFLNLQLMILQVLHLYWGYIILKMLNRCIFMKSIQDVRSDDEDYEEEE
EEEEATKGKEMDCLKNGLGAERHLIPNGQHG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_849164
RefSeq Size:	3894
RefSeq ORF:	1149
Synonyms:	ARCI9; LASS3
Locus ID:	204219



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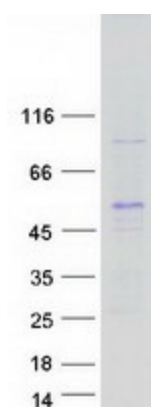
UniProt ID: [Q8IU89](#)

Cytogenetics: 15q26.3

Summary: 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. [provided by RefSeq, Aug 2015]

Protein Families: Transcription Factors, Transmembrane

Product images:



Coomassie blue staining of purified CERS3 protein (Cat# [TP305511]). The protein was produced from HEK293T cells transfected with CERS3 cDNA clone (Cat# [RC205511]) using MegaTran 2.0 (Cat# [TT210002]).