

## Product datasheet for **TP305511M**

### LASS3 (CERS3) (NM\_178842) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human LAG1 homolog, ceramide synthase 3 (LASS3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205511 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MFWTFKEWFWLERFWLPPTIKWSDLEDHDGLVFKPSHLYVTIPYAFLLLIIRRVFEKFKVASPLAKSFGI  
KETVRKVTPTNTVLENFFKHSTRQPLQTDIYGLAKKCNLTERQVERWFRSRRNQERPSRLKKFQEACWRFA  
FYLMITVAGIAFLYDKPWLYDLWEVWNGYPKQPLLPSQYWWWYILEMSFYWSLLFRLGFDVVKRKDFLAHII  
HHLAAISLMSFSWCANYIRSGTLMIVHDVADIWLESAMFSYAGWTQTCNTLFFIFSTIFFISRLIVFP  
FWILYCTLILPMYHLEPFFSYIFLNLQLMILQVLHLYWGYILKMLNRCIFMKS IQDVRSDDEDYEEEEEE  
EEEEATK GKEMDCLKNGLGAERHLIPNGQHGH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	46.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_849164</a>
Locus ID:	204219



[View online »](#)

UniProt ID: [Q8IU89](#)

RefSeq Size: 3894

Cytogenetics: 15q26.3

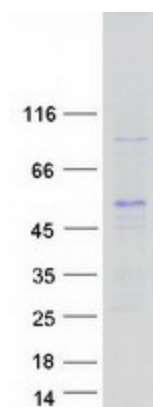
RefSeq ORF: 1149

Synonyms: ARCI9; LASS3

**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]).