

## Product datasheet for PH314463

### LSS (NM\_001001438) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	LSS MS Standard C13 and N15-labeled recombinant protein (NP_001001438)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214463
Predicted MW:	83.1 kDa
Protein Sequence:	>RC214463 representing NM_001001438 Red=Cloning site Green=Tags(s)

MTEGTCLRRRGGPYKTEPATDLGRWRLNCRGRQTWYTLQDERAGREQTGLEAYALGLDTKNYFKDLPKA  
HTAFEGALNGMTFYVGLQAEDGHWTGDYGGPLFLLPGLLITCHVARIPLPAGYREEIVRYLRSVQLPDGG  
WGLHIEDKSTVFGTALNYYSLRILGVGPDPPDLVRARNILHKKGGGAVAIPSWGKFWLAVLNVYSWEGLNT  
LFPEMWLFPDWAPAHPSLWCHCRQVYLPMSYCYAVRLSAAEDPLVQSLRQELYVEDFASIDWLAQRNNV  
APDELYTPHSWLLRVVYALLNL YEHHS AHLRQRAVQKL YEHIVADDRFTKSISIGPISKINMLVRWYV  
DGPASTAFQEHVSRI PDYL WMGLDGMKMQGTNGSQIWDTAFAIQALLEAGGHRPEFSSCLQKAHEFLRL  
SQVPDNPDPYQKYRQMRKGGFSFSTLDCGWIVSDCTAEALKAVLLLQEKCPHVTEHIPRERLCAVAVL  
LNMRNPDGGFATYETKRGHLELLNLPSEVFGDIMIDYTYVECTSAVMQALKYFHKRFPEHRAAEIRETL  
TQGLEFCRRQQRADGSGWGSWGVCFTYGTWFGLEAFACMGQTYRDGTACA EVSRACDFLLSRQMADGGWG  
EDFESCEERRY LQSAQSQIHNTCWAMMGLMAVRHPDIEAQERGVRCLEKQLPNGDWPQENIAGVFNKSC  
AISYTSYRNIFPIWALGRFSQLYPERALAGHP

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<a href="#">NP_001001438</a>



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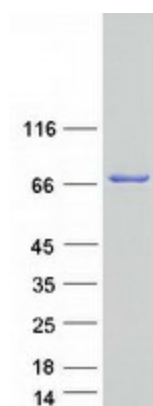
RefSeq Size:	2658
RefSeq ORF:	2196
Synonyms:	APMR4; CTRCT44; HYPT14; OSC
Locus ID:	4047
UniProt ID:	<a href="#">P48449</a> , <a href="#">B2R694</a>
Cytogenetics:	21q22.3

**Summary:** The protein encoded by this gene catalyzes the conversion of (S)-2,3 oxidosqualene to lanosterol. The encoded protein is a member of the terpene cyclase/mutase family and catalyzes the first step in the biosynthesis of cholesterol, steroid hormones, and vitamin D. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Steroid biosynthesis

### Product images:



Coomassie blue staining of purified LSS protein (Cat# [TP314463]). The protein was produced from HEK293T cells transfected with LSS cDNA clone (Cat# [RC214463]) using MegaTran 2.0 (Cat# [TT210002]).