

Product datasheet for **TP314463**

LSS (NM_001001438) Human Recombinant Protein

Product data:

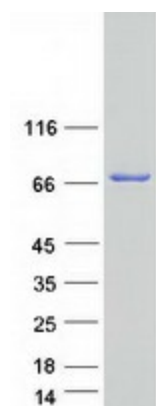
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase) (LSS), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214463 representing NM_001001438 Red =Cloning site Green =Tags(s)
	<p>MTEGTCLRRRGGPYKTEPATDLGRWRLNCERGRQWTWYQLQDERAGREQTGLEAYALGLDTKNYFKDLPKA HTAFEGALNGMTFYVGLQAEDGHWTGDYGGPLFLLPGLLITCHVARIPLPAGYREEIVRYLRSVQLPDGG WGLHIEDKSTVFGTALNYVSLRILGVGPDDPDVLRARNILHKKGGAVAIPSWGKFWLAVLNVYSWEGLNT LPPEMWLFPDWAPAHSTLWCHCRQVYLPMSYCYAVRLSAAEDPLVQSLRQELYVEDFASIDWLAQRNNV APDELYTPHSWLLRVVYALLNLYEHHSALHRQRAVQKLYEHIVADDRFTKSISIGPISKTINMLVRWYV DGPASTAFQEHVSRIPTYLWMGLDGMKMQGTNGSQIWDATAFAIQALLEAGGHRPEFSSCLQKAHEFLRL SQVPDNPDPYQKYRQMRKGGFSFSTLDCGWIVSDCTAEALKAVLLLQEKCPHVTEHIPRERLCAVAVL LNMARNPDGGFATYETKRGGHLELLNPSEVFGDIMIDYTYVECTSAVMQALKYFHKRFPPEHRAEIRETL TQGLEFCRRQQRADGSWEGSWGVCFTYGTWFGLEAFACMGQTYRDGTACAEVSRACDFLLSRQMA DGGWG EDFESCEERRYLSAQSQIHNTCWAMMGLMAVRHPDIEAQERGVRCLLEKQLPNGDWPQENIAGVFNKSC AISYTSYRNIFPIWALGRFSQLYPERALAGHP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	83.1 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.



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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:	NP_001001438
Locus ID:	4047
UniProt ID:	P48449 , B2R694
RefSeq Size:	2658
Cytogenetics:	21q22.3
RefSeq ORF:	2196
Synonyms:	APMR4; CTRCT44; HYPT14; OSC
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]).