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DATA SHEET

3-Hydroxymethyl-3-Methylglutaryl-CoA Lyase Human Recombinant, Sf9

Item Number	rAP-1274
Synonyms	3-Hydroxymethyl-3-Methylglutaryl-CoA Lyase, 3-Hydroxymethyl-3-Methylglutaryl-Coenzyme A Lyase, 3-Hydroxy-3-Methylglutarate-CoA Lyase, Hydroxymethylglutaricaciduria, HMG-CoA Lyase, EC 4.1.3.4, HL, Mitochondrial 3-Hydroxy-3-Methylglutaryl-CoA Lyase, Hydroxy
Description	HMGCL Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 305 amino acids (28-325 a.a.) and having a molecular mass of 32.5kDa (Molecular size on SDS -PAGE will appear at approximately 28-40kDa). HMGCL is expressed with a 6 amino acid His tag at C-
Uniprot Accesion Number	P35914
Amino Acid Sequence	MTLPKRVKIV EVGPRDGLQN EKNIVSTPVK IKLIDMLSEA GLSVIETTSF VSPKWVPQMG DHTEVLKGIQ KFPGINYPVL TPNLKGFEAA VAAGAKEVVI FGAASELFTK KNINCSIEES FQRFDAILKA AQSANISVRG YVSCALGCPY EGKISPAKVA EVTKKFYSMG CYEISLGDTI GVGTPGIMKD MLSAVMQEVP LAALAVHCHD TYGQALANTL MALQMGVSVV DSSVAGLGGC PYAQGASGNL ATEDLVYMLE GLGIHTGVNL QKLLEAGNFI CQALNRKTSS KVAQATCKLH HHHHH.
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	HMGCL protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4), 20% glycerol and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only