

Recombinant Full Length *Oryza Sativa* Subsp. *Japonica* 3-Hydroxy-3-Methylglutaryl-Coenzyme A Reductase 1(Hmg1) Protein, His-Tagged

Cat. No. RFL22858OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. <i>japonica</i> 3-hydroxy-3-methylglutaryl-coenzyme A reductase 1(HMG1) Protein (Q0DY59) (1-532aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E.coli</i>
ProteinLength	Full Length (1-532)
Form	Lyophilized powder
AA Sequence	MDVRRGGGGGRIVGAARRALTWGALPLPMRITNGLAMVSLVLSSCDLLRLCSDRER PLGG REFATVVYLVSLFAHPDAPATTTGDDDDGQGGSRARPAAAEPAPMHGHG GGMMEADDEE IVAAVASGALPSHRLESRLGDCRRAARLRREALRRVTGRGVEGLP FDGMDYQAILGQCCE MPVGYVQLPVGVAGPLLLDGREYHVPMATTEGCLVASVNR GCRAISASGGAFSVLLRDAM SRAPAVKLPSAMRAAELKAF AEAPANFELLA AVFN SSRFGRLQDIRCALAGRNL YMRFS CITGDAMGMNMVSKGVENVLG YLQNVFPDMD VISVSGNYCSDKKPTAVN WIEGRGKSVVC EAIKGDVVQKVLKTTVEKLVELNIIKNLA GSAVAGALGGFNAHASNIVTALFIATGQDP AQNVES SQCITMLEEVNDGDDLHISVT MPSIEVGTIGGGTCLASQAACLNLLGVKGSNHG SPGANAKRLATIVAGSVLAGELSL LAALASGHLVKSHMMYNRSSKDVAKAAS

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Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	HMG1
Synonyms	HMG1; Os02g0713900; LOC_Os02g48330; 3-hydroxy-3-methylglutaryl-coenzyme A reductase 1; HMG-CoA reductase 1
UniProt ID	Q0DY59