

Recombinant Dog DCPS Protein, GST-tagged

Cat. No. DCPS-08D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dog DCPS protein with a GST-tag was expressed in E. coli
Species	Dog
Source	E.coli
Description	Decapping scavenger enzyme that catalyzes the cleavage of a residual cap structure following the degradation of mRNAs by the 3'->5' exosome-mediated mRNA decay pathway.
Molecular Mass	The protein has a calculated MW of 71kDa.
AA Sequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMIIRYIADKHNM LGGCPKERA EISMLEGAVLDIRYGVSR IAYSKDFE TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQG WQATFGGGDHPPKSDLVPRGSPEF MSGVVVPAPGPSGAGPRLVLAHVGSCSPRALAGRGRGWGWRRTAPAGQHGGP SPSTRQAKARTGRRGGGHGPRASGRREWYLRPGAVTVLRLQSGKSAEGVREGQN PFPREGSLGQPGAGMEAAVNEASGDGGGEDAIVILEKTPFQVEQVAQLLMGRPEL QLQFSNDIYSTYHLFPPRQLSDVKATVVYPATEKHLQKYLRQDLRLVQETGSDYKNI TLPYLESQSLSIQWVYNILDKKAETDRIVFENPDPSDGFVLIPDLKWNQQQLDDLYLIA ICHRRGIRSLRDLTPEHLPLLRN ILREGQEAILQRYQVRGDRLRVYLHYLPSYYHLHV HFTALGFDAPGSGVERAHL LADVIENLECDPEHYQRRTLTFALRADDPLLRL LQEAQ KS

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Purity	>80% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.19 mg/mL
Storage Buffer	PBS, pH 7.4

GENE INFORMATION

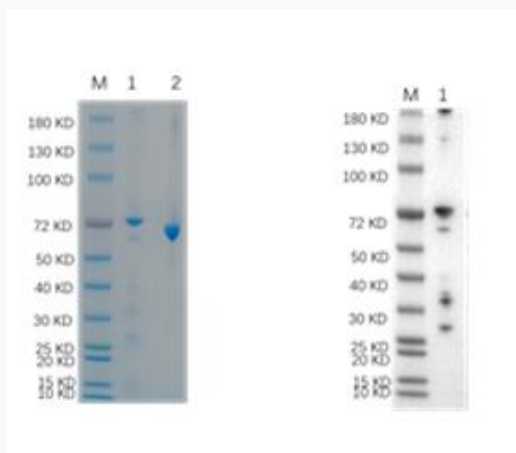
Gene Name	DCPS decapping enzyme, scavenger [<i>Canis lupus familiaris</i> (dog)]
Official Symbol	DCPS
Synonyms	DCPS; decapping enzyme, scavenger; scavenger mRNA-decapping enzyme DcpS; m7GpppX diphosphatase
Gene ID	609536
mRNA Refseq	XM_038664436
Protein Refseq	XP_038520364
UniProt ID	A0A8C0KC97

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SDS-PAGE:



Reducing 12% SDS-PAGE and WB analysis profile of purified Dog DCPS

1. Dog DCPS

2. BSA