

32-2256: DCPS Recombinant Protein

Alternative Name Scavenger mRNA-decapping enzyme DcpS,DCS-1,Hint-related 7meGMP-directed hydrolase,Histidine triad protein member 5,HINT-5,DCPS,DCS1,HINT5,HSPC015,HSL1.

Description

Source : Escherichia Coli. DCPS Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 357 amino acids (1-337 a.a.) and having a molecular mass of 40.8kDa.DCPS is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Scavenger mRNA-decapping enzyme (DCPS) is a member of the HIT family. DCPS is required for the complete degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. It was shown that DCPS hydrolyzes the residual m7GpppN cap structure after the complete 3'-5' degradation of the mRNA by the exosome. Furthermore, DCPS releases m7GMP and is incapable of cleaving cap structures attached to a long RNA chain.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	DCPS protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MADAAPQLGK RKRELDVEEA HAASSTEEKEA GVGNGTCAPV RLPFSGFRLQ KVLRESARDK IIFLHGKVNE ASGDGDGEDA VVILEKTPFQ VEQVAQLLTG SPELQLQFSN DIYSTYHLFP PRQLNDVKTT VVYPATEKHL QKYLRQDLRL IRETGDDYRN ITPHLESQS LSIQWVYNIL DKKAEADRIV FENPDPSDGF VLIPDLKWNQ QQLDDLYLIA ICHRRGIRSL RDLTPEHLPL LRNILHQGQE AILQRYRMKG DHLRVYLHYL PSYYHLHVHF TALGFEAPGS GVERAHLAE VIENLECDPR HYQRTLTF LRADDPLLLKL LQEAQQS.