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32-2433: HDDC3 Recombinant Protein

Alternative Name :	Guanosine-3',5'-bis(diphosphate) 3'-pyrophosphohydrolase MESH1,HD domain-containing protein 3,Metazoan SpoT homolog 1,MESH1,Penta-phosphate guanosine-3'-pyrophosphohydrolase,(ppGpp)ase,HDDC3.

Description

Source : Escherichia Coli. HDDC3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 160 amino acids (1-140) and having a molecular mass of 17.9kDa.HDDC3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Guanosine-3',5'-bis(diphosphate)-pyrophosphohydrolase MESH1 (HDDC3) contains an active site for ppGpp hydrolysis and a conserved His-Asp-box motif for Mn(2+) binding. In accordance with its structure, HDDC3 effectively catalyzes the hydrolysis of guanosine 3',5'-diphosphate (ppGpp) both in vitro and in vivo. In addition, HDDC3 suppresses SpoT-deficient lethality and RelA-induced delayed cell growth in bacteria.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The HDDC3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl 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 MGSEAAQLLE AADFAARKHR QQRRKDPEGT PYINHPIGVA RILTHEAGIT DIVVLQAALL HDTVEDTDTT LDEVELHFGA QVRRLVEEVT DDKTLPKLER KRLQVEQAPH SSPGAKLVKL ADKLYNLRDL NRCTPEVKIQ.

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