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32-5005: Recombinant Human Sulfatase Modifying Factor 1

Alternative Name : Sulfatase modifying factor 1,FGE,C-alpha-formylglycine-generating enzyme 1,FGly-generating enzyme,UNQ3037,AAPA3037,EC 1.8.99.

Description

Source : E.coli. SUMF1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 304 amino acids (91-374 a.a.) and having a molecular mass of 34.1kDa.SUMF1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. SUMF1 is a member of the SUMF family. SUMF1 catalyzes the hydrolysis of sulfate esters by oxidizing a cysteine residue in the substrate sulfatase to an active site 3-oxoalanine residue called C-alpha-formylglycine. Alterations in this gene result in multiple sulfatase deficiency which is a lysosomal storage disorder.

Product Info

Amount :	10 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	SUMF1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 2M UREA, 2mM DTT and 20% glycerol.
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 MVPIPAGVFT MGTDDPQIKQ DGEAPARRVT IDAFYMDAYE VSNTEFEKFV NSTGYLTEAE KFGDSFVFEG MLSEQVKTNI QQAVAAAPWW LPVKGANWRH PEGPDSTILH RPDHPVLHVS WNDAVAYCTW AGKRLPTEAE WEYSCRGGLH NRLFPWGNKL QPKGQHYANI WQGEFPVTNT GEDGFQGTAP VDAFPPNGYG LYNIVGNAWE TSDWWTVHH SVEETLNPKG PPSGKDRVKK GGSYMCHRSY CYRYRCAARS QNTPDSSASN LGFRCAADRL PTMD