

32-2375: GMDS Recombinant Protein

Alternative Name : GDP-mannose 4,6-dehydratase,GMD,SDR3E1,short chain dehydrogenase/reductase family 3E member 1,GDP-D-mannose dehydratase,EC 4.2.1.47.

Description

Source : E.coli. GMDS Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 392 amino acids (1-372) and having a molecular mass of 44.1 kDa.GMDS is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. GMDS is a member of the GDP-mannose 4,6-dehydratase family. GMDS uses NADP as a cofactor to catalyze the conversion of GDP-mannose to GDP-4-keto-6-deoxymannose. Defects in the gene encoding GMDS cause TRAIL (tumor necrosis factor-related apoptosis-inducing ligand)-induced apoptosis.

Product Info

Amount : 20 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : The GMDS solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl, 0.1mM PMSF and 30% 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 : MGSSHHHHH SSGLVPRGSH MAHAPARCPS ARGSGDGEMG KPRNVALITG ITGQDGSYLA
EFLLEKGYEV HGIVRRSSSF NTGRIEHLK NPQAHIEGNM KLHYGDLTDS TCLVKIINEV KPTEIYNLGA
QSHVKISFDL AEYTADV DGV GTLRLLDAVK TCGLINSVKF YQASTSELYG KVQEIPQKET TPFYPRSPYG
AAKLYAYWIV VNFREAYNLF AVNGILFNHE SPRRGANFVT RKISRSVAKI YLGQLECFSL GNLDKRDWG
HAKDYVEAMW LMLQNDPED FVIATGEVHS VREFVEKSFL HIGKTIVWEG KNENEVGRCK ETGKVHVTVD
LKYYRPTEVD FLQGDCTKAK QKLNWKPRVA FDELVREMVH ADVELMRTNP NA.