

RPPB1713

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## Product Information    Protein Information

**Product SKU:**

RPPB1713

**Accession:**

O60547

**Host:**

E.coli.

**Protein description:**

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.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

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

**Formulation:**

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.

**Purity:**

Greater than 95% as determined by SDS-PAGE.

**Stability:**

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 Sequence:**

MGSSHHHHHH SGLVPRGSH MAHAPARCPS ARGSGDGEMG KPRNVALITG ITGQDGSYLA EFLEKGYEV  
HGIVRRSSSF NTGRIEHLK NPQAHIEGNM KLHYGDLTDS TCLVKIINEV KPTEIYNLGA QSHVKISFDL  
AEYTADV DGV GTLRLLDVAVK TCGLINSVKF YQASTSELYG KVQEIPQKET TPFYPRSPYG AAKLYAYWIV  
VNFREAYNLF AVNGILFNHE SPRRGANFVT RKISRSVAKI YLGQLECFSL GNLDKRDWG HAKDYVEAMW  
LMLQNDEPED FVIATGEVHS VREFVEKSFL HIGKTIVWEG KNENEVGRCK ETGKVHVTVD LKYRPTDVD  
FLQGDCTKAK QKLNWKPRVA FDELVREMVH ADVELMRTNP NA.