

# Mouse UGDH Recombinant Protein



RPPB2401

---

## Product Information    Protein Information

**Product SKU:**

RPPB2401

**Accession:**

O70475

**Host:**

Escherichia Coli.

**Protein description:**

UGDH Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 516 amino acids (1-493a.a.) and having a molecular mass of 57.2kDa. UGDH is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

GDH, UDP-GlcDH, UDPGDH, UGD, EC=1.1.1.22, UDP-Glc dehydrogenase, UDP-glucose 6-dehydrogenase, UGDH.

**Formulation:**

UGDH protein solution (0.5mg/ml) containing 20mM MES buffer (pH5.0), 20% glycerol 150mM NaCl and 1mM EDTA.

**Purity:**

Greater than 90.0% 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). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHH SSSLVPRGSH MGSMVEIKKI CCIGAGYVGG PTCSVIAHMC PEIRVTVVDV NEARINAWNS  
PTLPIYEPGL KEVESCGRGK NLFSTNIDD AIREADLVFI SVNTPTKTYG MGKGRAADLK YIEACARRIV  
QNSNGYKIVT EKSTVPVRAA ESIRRIFDAN TKPNLNLQVL SNPEFLAEGT AIKDLKNPDR VLIIGDETPE  
GQKAVRALCA VYEHWVPKEK ILTTNTWSSE LSKLAANAFL AQRSSINSI SALCEATGAD VEEVATAIGM  
DQRIGNKFLK ASVGFGGSCF QKDVLNLVYL CEALNLPEVA RYWQQVIDMN DYQRRRFASR IIDSLFNTVT  
DKKIAILGFA FKKDTGDTRE SSSIYISKYL MDEGAHLHIY DPKVPREQIV VDSLHPGVSA DDQVSRLVTI  
SKDPYEACDG AHALVICTEW DMFKELDYER IHKMLKPAF IFDGRRVLDG LHSELQTIGF QIETIGKKV  
SKRIPYTPGE IPKFSLQDPP NKKPKV.

**Biological Activity:**

Specific activity is > 2,500 pmol/min/ug, and is defined as the amount of enzyme that converts 1.0 pmole of UDP-glucose to UDP-glucuronate per minute at pH 8.7 at 37°C.