

## 32-2344: GALE Recombinant Protein

**Alternative Name** : UDP-glucose 4-epimerase, EC=5.1.3.2, Galactowaldenase, UDP-galactose 4 epimerase, GALE, SDR1E1, FLJ95174, FLJ97302.

### Description

Source : Escherichia Coli. GALE Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 368 amino acids (1-348 a.a.) and having a molecular mass of 40.4 kDa. The GALE is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. GALE is an enzyme that participates as the third enzyme in the Leloir pathway of galactose metabolism. GALE is a homodimeric epimerase localized in bacterial, plant, and mammalian cells. GALE enhances the reverse chemical reaction, the conversion of UDP-glucose to UDP-galactose. UDP-galactose builds galactose-containing proteins and fats, which have a crucial part in chemical signaling, building cellular structures, transporting molecules, and producing energy.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** GALE Human solution containing 20mM Tris pH-8, 5mM DTT, 0.1M NaCl, 1mM EDTA & 10% glycerol.  
**Storage condition :** GALE Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MAEKVLVTGG AGYIGSHTVL ELLEAGYLPV VIDNFHNAFR GGGSLPESLR RVQELTGRSV EFEEMDILDQ GALQRLFKKY SFMAVIHFAG LKAVGESVQK PLDYRVNLT GTIQLLEIMK AHGVKNLVFS SSATVYGNPQ YLPLDEAHPT GGCTNPYGKS KFFIEEMIRD LCQADKTWNA VLLRYFNPTG AHASGCIGED PQGIPNNLMP YVSQVAIGRR EALNVFGNDY DTEDGTGVRD YIHVVDLAKG HIAALRKLKE QCGCRIYNLG TGTGYSVLQM VQAMEKASGK KIPYKVVARR EGDVAACYAN PSLAQEELGW TAALGLDRMC EDLWRWQKQN PSGFGTQA.

