

UDP-Galactose-4-Epimerase Human Recombinant

Item Number	rAP-1085
Synonyms	UDP-glucose 4-epimerase, EC=5.1.3.2, Galactowaldenase, UDP-galactose 4 epimerase, GALE, SDR1E1, FLJ95174, FLJ97302.
Description	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 a 20 amino acids His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q14376
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAEKVLVTGG AGYIGSHTVL ELLEAGYLPV VIDNFHNAFR GGGSLPESLR RVQELTGRSV EFEEMDILDQ GALQRLFKKY SFMAVIHFAG LKAVGESVQK PLDYRVNLT GTIQLLEIMK AHGVKNLVFS SSATVYGNPQ YLPLDEAHPT GGCTNPYGKS KFFIEEMIRD LCQADKTWNA VLLRYFNPTG AHASGCIGED PQGIPNNLMP YVSQVAIGRR EALNVFGNDY DTEGDTGVRD YIHVVDLAKG HIAALRLKE QCGCRIYNLG TGTGYSVLQM VQAMEKASGK KIPYK- VVARR EGDVAACYAN PSLAQEELGW TAALGLDRMC EDLWRWQKQN PSGFGTQA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	GALE Human solution containing 20mM Tris pH-8, 5mM DTT, 0.1M NaCl, 1mM EDTA & 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**