

GALE Human

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 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #:ENPS-544

For research use only.

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

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

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 YV

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

GALE Human solution containing 20mM Tris pH-8, 5mM DTT, 0.1M NaCl, 1mM EDTA & 10% glycerol.

Stability:

GALE Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

To place an order, please [Click HERE](#).