

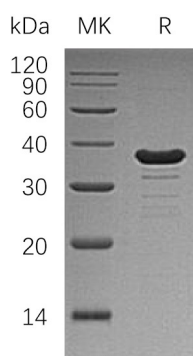
Product Name: Recombinant Human GALE (N-6His)
Catalog #: PEH1785



概述 (Summary)

英文全称	UDP-glucose 4-epimerase/GALE
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human UDP-Glucose 4-Epimerase is produced by our E.coli expression system and the target gene encoding Met1-Ala348 is expressed with a 6His tag at the N-terminus.
Accession #	Q14376
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	40.44 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 50mM Tris-HCl, 150mM NaCl, 2mM DTT, 1mM EDTA, pH 8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

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分子别名 (Alternative Names)

UDP-Glucose 4-Epimerase; Galactowaldenase; UDP-Galactose 4-Epimerase;
GALE

背景介绍 (References)

The enzyme UDP-Glucose 4-Epimerase (GALE) is a homodimeric epimerase found in bacterial, plant and mammalian cells. UDP-Glucose 4-Epimerase performs the final step in the Leloir pathway of Galactose metabolism, it catalyzes two distinct but analogous reactions: the epimerization of UDP-Gglucose to UDP-Galactose and the epimerization of UDP-N-Acetylglucosamine to UDP-N-Acetylgalactosamine. The bifunctional nature of the enzyme has the important metabolic consequence that mutant cells (or individuals) are dependent not only on exogenous galactose, but also on exogenous N-acetylgalactosamine as a necessary precursor for the synthesis of glycoproteins and glycolipids.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.