

Datasheet for ABIN6387110

**GALT Protein (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	GALT
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GALT protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Purification:	purified by chromatography
Purity:	> 85 % by SDS - PAGE

## Target Details

Target:	GALT
Alternative Name:	GALT ( <a href="#">GALT Products</a> )

**Background:** GALT catalyzes the second step of the Leloir pathway of galactose metabolism, namely the conversion of UDP-glucose + galactose-1-phosphate to glucose-1-phosphate + UDP-galactose. The absence of this enzyme results in classic galactosemia in humans and can be fatal in the newborn period if lactose is not removed from the diet. The pathophysiology of galactosemia has not been clearly defined. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human GALT protein, fused to His-tag at N-terminus, was

## Target Details

expressed in E.coli and purified by using conventional chromatography techniques

Molecular Weight: 45.9 kDa (403aa), confirmed by MALDI-TOF

NCBI Accession: [NP\\_000146](#)

## Application Details

Comment: Synonyms: Galactose-1-phosphate uridylyltransferase, Gal-1-P uridylyltransferase, UDP-glucose-hexose-1-phosphate uridylyltransferase

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.25 mg/ml (determined by Bradford assay)

Buffer: 20 mM Tris-HCl buffer (pH 8.5) containing 0.2 M NaCl, 10% glycerol.

Storage: 4 °C

Storage Comment: Avoid repeated freezing and thawing cycles.

## Images

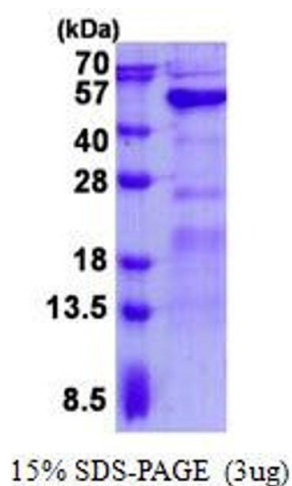


Image 1.