

Recombinant Human GDE1, GST-tagged

Cat. No. GDE1-13206H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDE1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-331a.a.
Description	Galactose-1-phosphate uridyl transferase (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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	GDE1 glycerophosphodiester phosphodiesterase 1 [Homo sapiens]
Official Symbol	GDE1
Synonyms	GDE1; glycerophosphodiester phosphodiesterase 1; membrane interacting protein of RGS16; MIR16; RGS16-interacting membrane protein; membrane-interacting protein of RGS16; 363E6.2;
Gene ID	51573
mRNA Refseq	NM_016641
Protein Refseq	NP_057725
MIM	605943
UniProt ID	Q9NZC3
Chromosome Location	16p12-p11.2
Function	glycerophosphodiester phosphodiesterase activity; glycerophosphoinositol glycerophosphodiesterase activity; hydrolase activity; metal ion binding;

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