

Recombinant Human PIGP Protein, GST-tagged

Cat. No. PIGP-4026H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DSCR5 partial ORF (NP_710149, 77 a.a. - 134 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes an enzyme involved in the first step of glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells that serves to anchor proteins to the cell surface. The encoded protein is a component of the GPI-N-acetylglucosaminyltransferase complex that catalyzes the transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc to phosphatidylinositol (PI). This gene is located in the Down Syndrome critical region on chromosome 21 and is a candidate for the pathogenesis of Down syndrome. This gene has multiple pseudogenes and is a member of the phosphatidylinositol glycan anchor biosynthesis gene family. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Feb 2016]
Molecular Mass	32.12 kDa
AA Sequence	NMMSTSPLD SIHTITD NYAKNQ QK KYQEEAIPALRDISISEVNQMFFLAAKELYTKN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	PIGP phosphatidylinositol glycan anchor biosynthesis, class P [Homo sapiens]
Official Symbol	PIGP
Synonyms	PIGP; phosphatidylinositol glycan anchor biosynthesis, class P; Down syndrome critical region gene 5 , DSCR5, phosphatidylinositol glycan, class P; phosphatidylinositol N-acetylglucosaminyltransferase subunit P; DCRC; DSRC; phosphatidylinositol n acetylglucosaminyltransferase subunit; PIG-P; Down syndrome critical region gene 5; phosphatidylinositol glycan, class P; Down syndrome critical region protein 5; Down syndrome critical region protein C; phosphatidylinositol-glycan biosynthesis class P protein; phosphatidylinositol-n-acetylglucosaminyltransferase subunit; DSCR5; DCRC-S;
Gene ID	51227
mRNA Refseq	NM_153681
Protein Refseq	NP_710148
MIM	605938

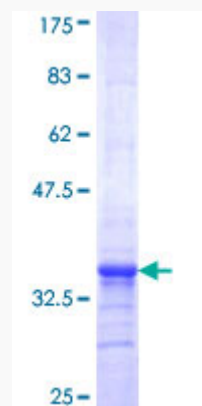
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UniProt ID

P57054

Quality Control
Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

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