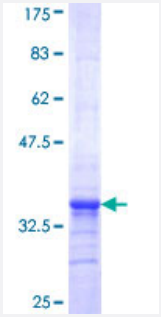
DSCR5 (Human) Recombinant Protein (Q01)

Catalog # H00051227-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DSCR5 partial ORF (NP_710149, 77 a.a. - 134 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	NMMSTSPLDSIHTITDNYAKNQQQKKYQEEAIPALRDISISEVNQMFFLAAKELYTKN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.12
Interspecies Antigen Sequence	Mouse (91); Rat (92)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PIGP

Entrez GeneID	51227
GeneBank Accession#	NM_153682
Protein Accession#	NP_710149
Gene Name	PIGP
Gene Alias	DCRC, DCRC-S, DSCR5, DSRC
Gene Description	phosphatidylinositol glycan anchor biosynthesis, class P
Omim ID	605938
Gene Ontology	Hyperlink
Gene Summary	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. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq
Other Designations	Down syndrome critical region gene 5|Down syndrome critical region protein 5|Down syndrome critical region protein C|OTTHUMP00000109076|OTTHUMP00000109079|phosphatidylinositol N-acetylglucosaminyltransferase subunit P|phosphatidylinositol glycan, class P|

Pathway

- Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
- Metabolic pathways

Disease

- Tobacco Use Disorder