

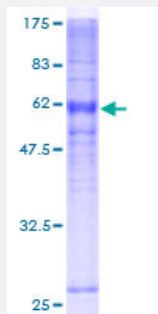
Full-Length

FY (Human) Recombinant Protein (P01)

Catalog # H00002532-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FY full-length ORF (AAH17817, 1 a.a. - 336 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGNCLHRAELSPSTENSSQLDFEDVWNSSYGVNDSFPDGDYGANLEAAAPCHSCNLLDDDSALP
FFILTSVLGILASSTVLSMLFRPLFRWQLCPGWVLAQLAVGSALFSMVPVLAPGLGSTRSSALC
SLGYCVWYGSAFAQALLLGCHASLGHRLGAGQVPGLTLGLTVGIWGVAAALLTLPVTLASGASGGL
CTLIYSTEKALQATHTVACLAIFVLLPLGLFGAKGLKKALGMGPGPMMNILWAWFIFWWPHGVVL
GLDFLVRSKLLLLSTCLAQQALDLLLLNLAEALAILHCVATPLLLALFCHQATRLLPSLPLPEGWFS
HLDTLGSKS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.7

Interspecies Antigen Sequence

Mouse (59); Rat (60)

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 — DARC

Entrez GeneID[2532](#)**GeneBank Accession#**[BC017817](#)**Protein Accession#**[AAH17817](#)**Gene Name**

DARC

Gene Alias

CCBP1, CD234, Dfy, FY, GPD, GpFy, WBCQ1

Gene Description

Duffy blood group, chemokine receptor

Omim ID[110700 611162](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a glycosylated membrane protein and a non-specific receptor for several chemokines. The encoded protein is the receptor for the human malarial parasites *Plasmodium vivax* and *Plasmodium knowlesi*. Polymorphisms in this gene are the basis of the Duffy blood group system. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

Duffy antigen/chemokine receptor|Duffy blood group antigen|Fy glycoprotein|OTTHUMP00000035293|OTTHUMP00000060081|glycoprotein D

Disease

- [Acute Disease](#)
- [Anemia](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Behcet Syndrome](#)
- [Blood Group Incompatibility](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Elliptocytosis](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Infant](#)
- [Kidney Diseases](#)
- [Leukopenia](#)
- [Lung Diseases](#)
- [Malaria](#)
- [Nervous System Diseases](#)
- [Neutropenia](#)
- [Rh Isoimmunization](#)
- [Schizophrenia](#)