

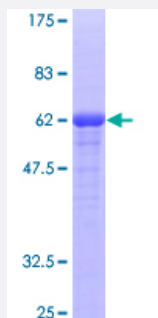
Full-Length

FVT1 (Human) Recombinant Protein (P02)

Catalog # H00002531-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FVT1 full-length ORF (AAH08797.1, 1 a.a. - 332 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLLLAAAFVLVAFVLLLYMVSPKPLALPGAHVVTGGSSGIGKCAIECYKQGAFITLVARNEDK
LLQAKKEIEMHSINDKQVVLCSVDVSQDYNQVENVIKQAEKLGPDMLVNCAGMAVSGKFEDL
EVSTFERLMSINYLGSVYPSRAVITTMKERRVGRIVFVSSQAGQLGLFGFTAYSASKFAIRGLAEAL
QMEVKPYNVYITVAYPPDTPGFAEENRTKPLETRLISETTSVCKPEQVAKQMKDAIQGNFNSSL
GSDGYMLSALTGMAPVTSITEGLQQVVTMGLFRTIALFYLGSDSMVRRMMQREKSENADKTA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.15

Interspecies Antigen Sequence

Mouse (93); Rat (93)

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 — KDSR

Entrez GeneID[2531](#)**GeneBank Accession#**[BC008797](#)**Protein Accession#**[AAH08797.1](#)**Gene Name**

KDSR

Gene Alias

DHSR, FLJ36555, FLJ92680, FVT1, SDR35C1

Gene Description

3-ketodihydrosphingosine reductase

Omim ID[136440](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene catalyzes the reduction of 3-ketodihydrosphingosine to dihydro sphingosine. The putative active site residues of the encoded protein are found on the cytosolic side of the endoplasmic reticulum membrane. A chromosomal rearrangement involving this gene is a cause of follicular lymphoma, also known as type II chronic lymphatic leukemia. The mutation of a conserved residue in the bovine ortholog causes spinal muscular atrophy. [provided by RefSeq]

Other Designations

3-dehydrosphinganine reductase|KDS reductase|follicular lymphoma variant translocation 1|short chain dehydrogenase/reductase family 35C, member 1

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

Disease

- [Abortion](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Kidney Failure](#)
- [Occupational Diseases](#)
- [Thrombophilia](#)