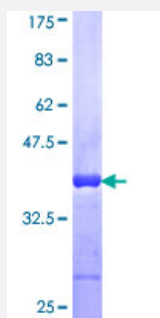


FUCA1 (Human) Recombinant Protein (Q01)

Catalog # H00002517-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FUCA1 partial ORF (NP_000138, 362 a.a. - 461 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EAIYASKPWRVQWEKNITSVWYTSKGS AVYAIFLHWPENGVLNLESPITTSTTKITMLGIQGDLKWS TDPDKGLFISLPQLPPSAVPAEFAWTIKLTGVK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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 — FUCA1

Entrez GeneID	2517
GeneBank Accession#	NM_000147
Protein Accession#	NP_000138
Gene Name	FUCA1
Gene Alias	FUCA
Gene Description	fucosidase, alpha-L- 1, tissue
Omim ID	230000
Gene Ontology	Hyperlink
Gene Summary	Alpha-L-fucosidase (EC 3.2.1.51) is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids (Occhiodoro et al., 1989 [PubMed 2803312]). At least 2 separate polymorphic alpha-L-fucosidases are recognized in man: that in tissues, FUCA1, which is deficient in fucosidosis (MIM 230000), and that in plasma, FUCA2 (MIM 136820).[supplied by OMIM]
Other Designations	Nbla10230/alpha-L-fucosidase OTTHUMP00000003009 alpha-L-fucosidase fucosidase, alpha-L-1, tissue

Pathway

- [Lysosome](#)
- [Other glycan degradation](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)