

## Recombinant Human FUCA1, GST-tagged

Cat. No. FUCA1-13031H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human FUCA1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 113-461a.a.  |
| <b>Description</b>      | The protein encoded by this gene is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids. Mutations in this gene are associated with fucosidosis (FUCA1D), which is an autosomal recessive lysosomal storage disease. A pseudogene of this locus is present on chr 2. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.  |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.  |

### GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | FUCA1 fucosidase, alpha-L- 1, tissue [ Homo sapiens ] |
| <b>Official Symbol</b> | FUCA1   |

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|----------------------------|---|
| <b>Synonyms</b>            | FUCA1; fucosidase, alpha-L- 1, tissue; tissue alpha-L-fucosidase; alpha-L-fucosidase 1; alpha-L-fucosidase I; alpha-L-fucoside fucohydrolase 1; FUCA;                       |
| <b>Gene ID</b>             | <a href="#">2517</a>  |
| <b>mRNA Refseq</b>         | <a href="#">NM_000147</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_000138</a>   |
| <b>MIM</b>                 | <a href="#">612280</a>  |
| <b>UniProt ID</b>          | <a href="#">P04066</a>  |
| <b>Chromosome Location</b> | 1p34  |
| <b>Pathway</b>             | Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Other glycan degradation, organism-specific biosystem; Other glycan degradation, conserved biosystem; |
| <b>Function</b>            | alpha-L-fucosidase activity; cation binding; hydrolase activity, acting on glycosyl bonds; sugar binding;   |

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