

# Recombinant Full Length Human FEZ1 Protein, GST-tagged

**Cat. No.** FEZ1-4796HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Human FEZ1 full-length ORF ( NP_005094.1, 1 a.a. - 392 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 392 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene is an ortholog of the C. elegans unc-76 gene, which is necessary for normal axonal bundling and elongation within axon bundles. Expression of this gene in C. elegans unc-76 mutants can restore to the mutants partial locomotion and axonal fasciculation, suggesting that it also functions in axonal outgrowth. The N-terminal half of the gene product is highly acidic. Alternatively spliced transcript variants encoding different isoforms of this protein have been described. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 71.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MEAPLVSLDEEFEDLRPSCSEDPEEKPCFYGSSPHHLEDPSLSELENFSSEIISFKS<br>MEDLVNEFDEKLNVCFRNYNAKTENLAPVKNQLQIQEEEEETLQDEEVWDALTDNYIP<br>SLSEDWRDPNIEALNGNCSDTEIHEKEEEEFNEKSENDSGINEEPLLTADQVIEEIEE<br>MMQNSPDPEEEEEVLEEEDGGETSSQADSVLLQEMQALTQTFNNNWSYEGLRHM<br>SGSELTELLDQVEGAIRDFSEELVQQLARRDELEFEKEVKNSFITVLIQVQNKQKEQR<br>ELMKRRRKEKGLSLQSSRIEKGNNQMPKRFMEGISENQLQSGIRQTFGSSGTDKQYL                                                                                                                                              |

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|                         |                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                         | NTVIPYEKKASPPSVEDLQMLTNILFAMKEDNEKVPTLLTDYILKVLCP                                                                           |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array           |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                      |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                    |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                    |
| <b>GENE INFORMATION</b> |                                                                                                                             |
| <b>Gene Name</b>        | FEZ1 fasciculation and elongation protein zeta 1 (zygin I) [ Homo sapiens ]                                                 |
| <b>Official Symbol</b>  | FEZ1                                                                                                                        |
| <b>Synonyms</b>         | FEZ1; fasciculation and elongation protein zeta 1 (zygin I); fasciculation and elongation protein zeta-1; zygin I; zygin-1; |
| <b>Gene ID</b>          | 9638                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_005103                                                                                                                   |
| <b>Protein Refseq</b>   | NP_005094                                                                                                                   |
| <b>MIM</b>              | 604825                                                                                                                      |
| <b>UniProt ID</b>       | Q99689                                                                                                                      |

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