

## Recombinant Full Length Human FBXO32 Protein

**Cat. No.** FBXO32-165HF    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Recombinant full length Human Fbx32 with a proprietary tag; Predicted MWt 49.21 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 210 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | <p>This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class and contains an F-box domain. This protein is highly expressed during muscle atrophy, whereas mice deficient in this gene were found to be resistant to atrophy. This protein is thus a potential drug target for the treatment of muscle atrophy. Alternative splicing results in multiple transcript variants encoding different isoforms.</p> |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 49.210kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AA Sequence</b>      | MNILEKVVLKVLEDQQNIRLIRELLQTLYTSLCTLVQRVGKSVLVGNINMWVYRMETIL<br>HWQQQLNNIQITRPAFKGLTFTDLPLCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSE<br>DRLLWKKLCQYHFSEQRIRKRLILSGKGQLDWKKMYFKLVRCYPRKEQYGDTLQLR<br>KHCHILSWKGTDPCTANNPESCSVSLSPQDFINLFKF |
| <b>Purity</b>           | Proprietary Purification                                                                                                                                                                                                      |
| <b>Storage</b>          | Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.                                                                                                                            |
| <b>Storage Buffer</b>   | pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.                                                                                                                                                                     |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                               |
| <b>Gene Name</b>        | FBXO32 F-box protein 32 [ Homo sapiens ]                                                                                                                                                                                      |
| <b>Official Symbol</b>  | FBXO32                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | FBXO32; F-box protein 32; F box only protein 32; F-box only protein 32; ATROGIN1; Fbx32; MAFbx                                                                                                                                |
| <b>Gene ID</b>          | 114907                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_148177                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>   | NP_680482                                                                                                                                                                                                                     |
| <b>MIM</b>              | 606604                                                                                                                                                                                                                        |
| <b>UniProt ID</b>       | Q969P5                                                                                                                                                                                                                        |

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