

Recombinant Human FBXO32

Cat. No. FBXO32-28812TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Fbx32 with a proprietary tag; Predicted MWt 49.21 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	210 amino acids
Description	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.
Molecular Weight	49.210kDa inclusive of tags
Tissue specificity	Specifically expressed in cardiac and skeletal muscle.

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MNILEKVV LKVL EDQQNIRLIRELLQTL YTS LCTLVQRV GKS VLVGNINMWVYRMETIL HWQQQLNNIQITRPAFKGLTFTDLP LCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSE DRLLWKKLCQYHF SERQIRKRLILSGKGQLDWKKMYFKLVRCYPRKEQYGD TLQLR KHCHILSWKGT DHPCTANNPESCSVSLSPQDFINL FKF
Sequence Similarities	Contains 1 F-box domain.

GENE INFORMATION

Gene Name	FBXO32 F-box protein 32 [Homo sapiens]
Official Symbol	FBXO32
Synonyms	FBXO32; F-box protein 32; F box only protein 32; F-box only protein 32; ATROGIN1; Fbx32; MAFbx;
Gene ID	114907
mRNA Refseq	NM_148177
Protein Refseq	NP_680482

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MIM	606604
Uniprot ID	Q969P5
Chromosome Location	8q24.13
Pathway	FoxO family signaling, organism-specific biosystem; Monoamine Transport, organism-specific biosystem;

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