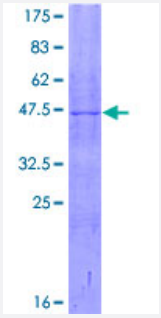
Full-Length

FBXO32 (Human) Recombinant Protein (P01)

Catalog # H00114907-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FBXO32 full-length ORF (AAH24030.1, 1 a.a. - 210 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNILEKVVLKVLEDQQNIRLIRELLQTLYTSLCTLVQRVGKSVLVGNINMWVYRMETILHWQQQLNNI QITRPAFKGLTFTDLPLCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSEDRLLWKKLCQYHFSERQI RKRLILSGKGQLDWKKMYFKLVRCYPRKEQYGDTLQLRKHCHILSWKGTDHPCTANNPESCSVS LSPQDFINLFKF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	48.84
Interspecies Antigen Sequence	Mouse (96); Rat (95)
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 — FBXO32

Entrez GeneID	114907
GeneBank Accession#	BC024030
Protein Accession#	AAH24030.1
Gene Name	FBXO32
Gene Alias	FLJ32424, Fbx32, MAFbx, MGC33610
Gene Description	F-box protein 32
Omim ID	606604
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the F-box protein family which is characterized by an approximat ely 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ub iquitin 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 F bxs 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 po tential drug target for the treatment of muscle atrophy. Alternative splicing of this gene results in tw o transcript variants encoding two isoforms of different sizes. [provided by RefSeq
Other Designations	F-box only protein 32|atrogin 1|muscle atrophy F-box protein

Publication Reference

- Myostatin Induces Degradation of Sarcomeric Proteins through a Smad3 Signaling Mechanism During Skeletal Muscle Wasting.

  Lokireddy S, McFarlane C, Ge X, Zhang H, Sze SK, Sharma M, Kambadur R.

  Molecular Endocrinology 2011 Nov; 25(11):1936.

  Application: Incubated, Recombinant protein