

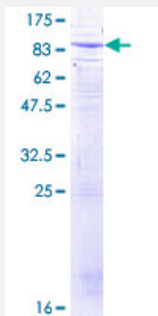
Full-Length

BTRC (Human) Recombinant Protein (P01)

Catalog # H00008945-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human BTRC full-length ORF (AAH27994.1, 1 a.a. - 605 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDPAEAVLQEKALKFMCSMPRSLWLGCSSLADSMPSLRCLYNPGTGALTAFQNSSEREDCNN
GEPPRKIIPEKNSLRQTYNSCARLCLNQETVCLASTAMKTENCVAKTKLANGTSSMVPKQRKLSA
SYEKEKELCVKYFEQWSESDQVEFVEHLISQMCHYQHGHSYLPMLQRDFITALPARGLDHIAE
NLSYLDKSLCAAELVCKEWYRVTS DGMLWKKLIERMVRTDSLWRGLAERRGWGQYLFKNKPP
DGNAPPNSFYRALYPKIQDIETIESNWRCGRHSLQRIHCRSETSKGVYCLQYDDQKIVSGLRDNTIKI
WDKNTLECKRILTGHTGSVLCLQYDERVITGSSDSTVRVWDVNTGEMLNLIHCEAVLHLRFNN
GMMVTC SKDRSIAVWDMASPTDITLRRVLVGHRAAVNVVDFDDKYIVSASGDRTIKVVWNTSTCEF
VRTLNHGKRGIAQLQYRDLVVGSSDNTIRLWDIECGACLRVLEGHEELVRCIRFDNKRIVSGAY
DGKIKVWDLVAALDPRAPAGTLCRLTLEHSGRVFRLQFDEFQVSSSHDDTILWDFLNDPAAQA
EPPRSPSRITYISR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

95.3

Interspecies Antigen Sequence

Mouse (98); Rat (96)

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 — BTRC

Entrez GeneID	8945
GeneBank Accession#	BC027994.1
Protein Accession#	AAH27994.1
Gene Name	BTRC
Gene Alias	BETA-TRCP, FBW1A, FBXW1, FBXW1A, FWD1, MGC4643, bTrCP, bTrCP1, betaTrCP
Gene Description	beta-transducin repeat containing
Omim ID	603482
Gene Ontology	Hyperlink

Gene Summary

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 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 Fbw s class; in addition to an F-box, this protein contains multiple WD-40 repeats. This protein is homologous to Xenopus bTrCP1, yeast Met30, Neurospora Scon2 and Drosophila Slimb proteins. It interacts with HIV-1 Vpu and connects CD4 to the proteolytic machinery. It also associates specifically with phosphorylated I κ B α and beta-catenin destruction motifs, probably functioning in multiple transcriptional programs by activating the NF- κ B pathway and inhibiting the beta-catenin pathway. [provided by RefSeq]

Other Designations

OTTHUMP00000020314|OTTHUMP00000020315|beta-TrCP1|beta-transducin repeat containing protein

Publication Reference

- [Reciprocal Regulation Between \$\beta\$ TrCP and Smurf1 Suppresses Proliferative Capacity of Liver Cancer Cells.](#)

Zhang Y, Wang W, Cai S, Chen Y, Wang Q, Pan Q, Sun F, Wang J.

Journal of Cellular Physiology 2017 Dec; 232(12):3347.

Application: IP, PI, WB, Recombinant protein

Pathway

- [Hedgehog signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Liver Neoplasms](#)
- [Stomach Neoplasms](#)

- [Tobacco Use Disorder](#)