

Recombinant Human BTRC Protein, GST-tagged

Cat. No. BTRC-399H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BTRC full-length ORF (AAH27994.1, 1 a.a. - 605 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 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 Fbws 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 IκBα and beta-catenin destruction motifs, probably functioning in multiple transcriptional programs by activating the NF-κB pathway and inhibiting the beta-catenin pathway.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	95.3 kDa
AA Sequence	MDPAEAVLQEKALKFMCSMPRSLWLGCSSLADSMPSLRCLYNPGTGALTAFQNSS EREDCNNGEPPRKIIPEKNSLRQTYNSCARLCLNQETVCLASTAMKTENCVAKTKLA NGTSSMIVPKQRKLSASYEKEKELCVKYFEQWSESDQVEFVEHLISQMCHYQHGH NSYLPMLQRDFITALPARGLDHIAENILSYLDAKSLCAAELVCKEWYRVTS DGM LW KKLIERMVRTDSLWRGLAERRGWGQYLFKNKPPDGNAPPNSFYRALYPKIIQDIETIE SNWRCGRHSLQRIHCRSETSKGVYCLQYDDQKIVSGLRDNTIKIWDKNTLECKRILT GHTGSVLCLQYDERVIITGSSDSTVRVWDVNTGEMLNTLIHHCEAVLHLRFNNGMM VTCSKDRSIAVWDMASPTDITLRRVLVGHRAAVNVVDFDDKYIVSASGDRTIKVWNT STCEFVRTLNHGKRGIAQLQYRDRLVVGSSDNTIRLWDIECGACLRVLEGHEELVR CIRFDNKRIVSGAYDGKIKVWDLVAALDPRAPAGTLCLRTLVEHSGRVFRLQFDEFQI VSSSHDDTILIWDFLNDPAAQAEPPRSPSRITYTYISR
Quality Control Test	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	BTRC beta-transducin repeat containing E3 ubiquitin protein ligase [Homo sapiens]
Official Symbol	BTRC
Synonyms	BTRC; beta-transducin repeat containing E3 ubiquitin protein ligase; beta transducin repeat containing; F-box/WD repeat-containing protein 1A; beta TrCP1; betaTrCP; bTrCP; bTrCP1; FBXW1A; Fwd1; beta-TrCP1; E3RSIkappaB; F-box and WD-repeat protein 1B; plkappaBalph a-E3 receptor subunit; F-box and WD repeats protein beta-TrCP; FWD1; FBW1A; FBXW1; BETA-TRCP; MGC4643;

Gene ID	8945
mRNA Refseq	NM_001256856
Protein Refseq	NP_001243785
MIM	603482
UniProt ID	Q9Y297

