

Recombinant Full Length Human BTRC Protein, GST-tagged

Cat. No. BTRC-1687HF 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 In Vitro Cell Free System

ProteinLength 605 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 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 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.

 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	<p>MDPAEAVLQE KALKFMCSMP RSLWLGCSL ADSMPSLRCL YNPGTGALTA FQNSSEREDC NNGEPPRKII PEKNSLRQTY NSCARLCLNQ ETVCLASTAM KTENCVAKTK LANGTSSMIV PKQRKLSASY EKEKELCVKY FEQWSESDQV EFVEHLISQM CHYQHGHS YLKPMLQRDF ITALPARGLD HIAENILSYL DAKSLCAAEL VCKEWYRVTS DGMLWKKLIE RMVRTDSLWR GLAERRGWGQ YLFKNKPPDG NAPPNSFYRA LYPKIIQDIE TIESNWRRCGR HSLQRIHCRS ETSKGVYCLQ YDDQKIVSGL RDNTIKIWDK NTLECKRILT GHTGSVLCLQ YDERVIITGS SDSTVRVWDV NTGEMLNTLI HHCEAVLHLR FNNGMMVTCS KDRSIAVWDM ASPTDITLRR VLVGHRAAVN VVDFDDKYIV SASGDRTIKV WNTSTCEFVR TLNGHKRGIA CLQYRDLVV SGSSDNTIRL WDIECGACLR VLEGHEELVR CIRFDNKRIV SGAYDGKIKV WDLVAALDPR APAGTLCLRT LVEHSGRVFR LQFDEFQIVS SSHDDTILIW DFLNDPAAQA EPPRSPSRTY TYISR</p>
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; plkappaBalpha-E3 receptor subunit; F-box and WD repeats protein beta-TrCP; FWD1; FBW1A; FBXW1; BETA-TRCP; MGC4643

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

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