

Recombinant Full Length Human tripartite motif containing 68 Protein, Flag tagged

Cat. No. TRIM68-20HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human tripartite motif-containing 68 (TRIM68) with C-Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	1-485aa
Description	This gene encodes a member of the tripartite motif-containing protein family, whose members are characterized by a "really interesting new gene" (RING) finger domain, a zinc-binding B-box motif, and a coiled-coil region. Members of this family function as E3 ubiquitin ligases and are involved in a broad range of biological processes. This gene regulates the activation of nuclear receptors, such as androgen receptor, and has been implicated in development of prostate cancer cells, where its expression increases in response to a downregulation of microRNAs. In addition, this gene participates in viral defense regulation as a negative regulator of interferon-beta. Alternative splicing results in multiple transcript variants.
Tag	C-Flag
Molecular Mass	56.1 kDa
AA Sequence	MDPTALVEAIVEEVACPICMTFLREPMSIDCGHSFCHSCLSGLWEIPGESQNWGYTC

 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

PLCRAPVQPRNLRPNWQLANVVEKVRLRLHPGMGLKGDLCERHGEKLMFCKED
 VLIMCEACSQSPEHEAHSVVPMEDVAWEYKWELHEALEHLKKEQEEAWKLEVGER
 KRTATWKIQVETRKQSIVWEFEKYQRLLEKKQPPHRQLGAEVAAALASLQREAAET
 MQKLELNHSELIQQSQVLWRMIAELKERSQRPVRWMLQDIQEVLNRSKSWSLQQP
 EPISLELKTDRCVGLGLREILKTYAADVRLDPDTAYSRLIVSEDRKRVHYGDTNQKLPD
 NPERFYRYNIVLGSQCISSGRHYWEVEVGDRSEWGLGVCKQNVDRKEVVYLSPHY
 GFWVIRLRKGNEYRAGTDEYPILSLPVPVRRVGIFVDYEAHDISFYNVTD CGSHIFTF
 PRYPFPGRLLPYFSPCYSIGTNTAPLAICSLDGEDTRTRPLEQKLISEEDLAANDILD
 YKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Storage Buffer	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Concentration	> 0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

Gene Name	TRIM68 tripartite motif containing 68 [Homo sapiens (human)]
Official Symbol	TRIM68
Synonyms	TRIM68; tripartite motif containing 68; ring finger protein 137 , RNF137, tripartite motif

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containing 68; E3 ubiquitin-protein ligase TRIM68; FLJ10369; SS 56; SSA protein SS-56; Ro/SSA1 related protein; ring finger protein 137; tripartite motif-containing 68; tripartite motif-containing protein 68; SS56; GC109; SS-56; RNF137; MGC126176;

Gene ID 55128

mRNA Refseq NM_018073

Protein Refseq NP_060543

MIM 613184

UniProt ID Q6AZZ1

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