

Recombinant Human TRIM68 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TRIM68-1812H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TRIM68 MS Standard C13 and N15-labeled recombinant protein (NP_060543) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	56.1 kDa
AA Sequence	MDPTALVEAIVEEVACPICMTFLREPMSIDCGHSFCHSCLSGLWEIPGESQNWGYTC PLCRAPVQPRNLRPNWQLANVVEKVRLRLHPGMGLKGDLCERHGEKLMFCKED VLIMCEACSQSPEHEAHSVVPMEDVAWEYKWELHEALEHLKKEQEEAWKLEVGER KRTATWKIQVETRKQSIVWEFEKYQRLLEKKQPPHRQLGAEVAAALASLQREAAET

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MQKLELNHSELIQQSQVLWRMIAELKERSQRPVWMLQDIQEVLNRSKSWSLQQP
 EPISLELKTDRCVLGLREILKTYAADVRLDPDTAYSRLIVSEDRKRVHYGDTNQKLDP
 NPERFYRYNIVLGSQCISSGRHYWEVEVGDRSEWGLGVCKQNVDRKEVVYLSPHY
 GFWVIRLRKGNEYRAGTDEYPILSLPVPPRRVGIFVDYEAHDISFYNVTDGCGSHIF
 PRYPFPGRLLPYFSPCYSIGTNNTAPLAICSLDGEDTRTRPLEQKLISEEDLAANDILD
 YKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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 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

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mRNA Refseq NM_018073

Protein Refseq NP_060543

MIM 613184

UniProt ID Q6AZZ1

SDS-PAGE



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