

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

Cat. No. TRIM68-21HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human TRIM68 full-length ORF (BAG51737.1, 1 a.a. - 485 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
Species	Human
Source	Wheat Germ
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	N-GST
Molecular Mass	82.6 kDa
AA Sequence	MDPTALVEAIVEEVACPICMTFLREPMSIDCGHSFCHSCLSGLEIPGESQNWGYTC

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PLCRAPVQPRNLRPNWQLANVVEKVRLRLHPGMGLKGDLCERHGEKLMFCKED
VLIMCEACSQSPEHEAHSVPMEDVAWEYKWELHEALEHLKKEQEEAWKLEVGER
KRTATWKIQVETRKQSIVWEFEKYQRLLEKKQPPHRQLGAEVAAALASLQREAAET
MQKLELNHSELIQQSQVLWRMIAELKERSQRPVRWMLQDIQEVLNRSKSWSLQQP
EPISLELKTDRCVLGLREILKTYAADVRLDPDTAYSRLIVSEDRKRVHYGDTNQKLPD
NPERFYRYNIVLGSQCISSGRHYWEVEVGDRSEWGLGVCKQNVDREKVVYLSPHY
GFWVIRLRKGNEYRAGTDEYPILSLPVPVRRVGIFVDYEAHDISFYNVTD CGSHIFTF
PRYPFPGRLLPYFSPCYSIGTNNTAPLAICSLDGED

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

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**

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;

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Gene ID	55128
mRNA Refseq	NM_018073
Protein Refseq	NP_060543
MIM	613184
UniProt ID	Q6AZZ1

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