Recombinant Human TRIM33, His&FLAG-tagged

Cat. No. TRIM33-83H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TRIM33 corresponding to amino acids 959 - 1059 that contains the bromodomain sequences of TRIM33 (accession number NP_056990.3) was expressed in E. coli and contains an N-terminal His tag and C-terminal FLAG tag with an observed molecular weight of 17.7 kDa.
Species	Human
Source	E.coli
ProteinLength	959-1059 a.a.
Description	Tripartite motif-containing 33 (TRIM33) protein, also known as TIF1γ, is a member of the transcriptional intermediary factor 1 (TIF1) family that control transcription and chromatin remodeling through their interaction with transcription factors. The family includes TRIM24 (TIF1α), TRIM28 (TIF1β) and TRIM33 (TIF1γ) that share a characteristic domain structure comprised of multiple histone-binding domains, an N-terminal TRIM region (containing a RING domain, B box type 1 and type 2 domains, and a coiled-coil region), and a C-terminal bromodomain and PHD finger. Bromodomains function as "readers" of epigenetic histone marks and regulate chromatin structure and gene expression by linking associated proteins to the recognized acetylated nucleosomal targets.
Form	25 mM HEPES pH 7.5, 150 mM NaCl and 5% glycerol.
Applications	Binding assays, inhibitor screening, and selectivity profiling.

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

Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Concentration	0.5 mg/ml

GENE INFORMATION

Gene Name	TRIM33 tripartite motif containing 33 [Homo sapiens]
Official Symbol	TRIM33
Synonyms	TRIM33; tripartite motif containing 33; E3 ubiquitin-protein ligase TRIM33; FLJ11429; KIAA1113; PTC7; ret fused gene 7; RFG7; TF1G; TIF1G; TIF1GAMMA; TIFGAMMA; transcriptional intermediary factor 1 gamma; TIF1-gamma; protein Rfg7; ectodermin homolog; RET-fused gene 7 protein; tripartite motif-containing 33; ECTO; FLJ32925;
Gene ID	51592
mRNA Refseq	NM_015906
Protein Refseq	NP_056990
MIM	605769
UniProt ID	Q9UPN9
Chromosome Location	1p13.1
Function	DNA binding; R-SMAD binding; co-SMAD binding; ligase activity; metal ion binding;

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

	protein binding; zinc ion binding;

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