

## Recombinant Human TRIM28, His&FLAG-tagged

Cat. No. TRIM28-82H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TRIM28 corresponding to amino acids 624-811 that contains the bromodomain sequences of TRIM28 (accession number NP_005753.1) was expressed in E. coli and contains an N-terminal His tag and C-terminal FLAG tag with an observed molecular weight of 26.18 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	624-811 a.a.
<b>Description</b>	Tripartite motif-containing 28 (TRIM28) protein, also known as transcriptional intermediary factor 1 $\beta$ (TIF1 $\beta$ ) and KAP1 (Krüppel-associated protein), 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 enhances transcriptional repression by coordinating the increase in TRIM24 (TIF1 $\alpha$ ), TRIM28 (TIF1 $\beta$ ) and TRIM33 (TIF1 $\gamma$ ) 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.
<b>Form</b>	25 mM HEPES pH 7.5, 150 mM NaCl and 5% glycerol.
<b>Applications</b>	Binding assays, inhibitor screening, and selectivity profiling.

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**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** 10.3 mg/ml

## GENE INFORMATION

**Gene Name** [TRIM28 tripartite motif containing 28 \[ Homo sapiens \]](#)

**Official Symbol** TRIM28

**Synonyms** TRIM28; tripartite motif containing 28; transcription intermediary factor 1-beta; KAP1; RNF96; TF1B; TIF1B; KAP-1; KRIP-1; TIF1-beta; RING finger protein 96; KRAB-associated protein 1; nuclear corepressor KAP-1; KRAB-interacting protein 1; E3 SUMO-protein ligase TRIM28; tripartite motif-containing 28; tripartite motif-containing protein 28; transcriptional intermediary factor 1-beta; FLJ29029;

**Gene ID** [10155](#)

**mRNA Refseq** [NM\\_005762](#)

**Protein Refseq** [NP\\_005753](#)

**MIM** [601742](#)

**UniProt ID** [Q13263](#)

**Chromosome Location** 19q13.4

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**Pathway**

C-MYB transcription factor network, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; p53 pathway, organism-specific biosystem;

**Function**

DNA binding; chromo shadow domain binding; ligase activity; metal ion binding; protein binding; protein kinase activity; contributes\_to sequence-specific DNA binding; contributes\_to sequence-specific DNA binding transcription factor activity; transcription coactivator activity; transcription corepressor activity; ubiquitin protein ligase binding; ubiquitin-protein ligase activity; zinc ion binding;

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