

Recombinant Human TRIM28, His&FLAG-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	624-811 a.a.
Description	Tripartite motif-containing 28 (TRIM28) protein, also known as transcriptional intermediary factor 1 β (TIF1 β) 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 α), TRIM28 (TIF1 β) and TRIM33 (TIF1 γ) 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.
Form	25 mM HEPES pH 7.5, 150 mM NaCl and 5% glycerol.
Applications	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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