

Recombinant Human RuvB-like 1 (E. coli), His-tagged

Cat. No. RUVBL1-2733H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant RUVBL1 protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques. MW = 52.3 kDa (476aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	RUVBL1, also known as TIP49A, is a component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone H4 and H2A. This complex may be required for the activation of transcriptional programs associated with oncogene and proto oncogene mediated growth induction, tumor suppressor mediated growth arrest.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MKIEEVKSTT KTQRIASHSH VKGLGLDESG LAKQAASGLV GQENAREACG VIVELIKSKK MAGRAVLLAG PPGTGKTALA LAIAQELGSK VPFCPMVGSE VYSTEIKKTE VLMENFRRAI GLRIKETKEV YEGEVTELTPT CETENPMGGY GKTISHVIIG LKTAKGTKQL KLDPSIFESL QKERVEAGDV IYIEANSNAV KRQGRCDTYA TEFDLAEAEY VPLPKGDVHK KKEIIQDVTI HDLDVANARP QGGQDILSMM GQLMKPKKTE ITDKLRGEIN KVVNKYIDQG IAEVPGVLF VDEVHMLDIE CFTYLHRALE SSIAPIVIFA SNRGNCVIRG TEDITSPHGI PLDLLDRVMI IRTMLYTPQE MKQIIKIRAQ TEGINISEEA LNHLEIGTK TTLRYSVQLL TPANLLAKIN GKDSIEKEHV

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	EEISELFYDA KSSAKILADQ QDKYMK
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	RUVBL1 RuvB-like 1 (E. coli) [Homo sapiens]
Synonyms	RUVBL1; RuvB-like 1 (E. coli); RVB1; TIH1; ECP54; TIP49; INO80H; NMP238; PONTIN; TIP49A; Pontin52; ruvB-like 1; ECP-54; NMP 238; pontin 52; TAP54-alpha; OTTHUMP00000216128; INO80 complex subunit H; nuclear matrix protein 238; RuvB (E coli homolog)-like 1; 49 kDa TBP-interacting protein; TIP60-associated protein 54-alpha; 54 kDa erythrocyte cytosolic protein; TATA binding protein interacting protein 49 kDa; 49 kDa TATA box-binding protein-interacting protein; EC 3.6.1.-; EC 3.6.4.12
Gene ID	8607
mRNA Refseq	NM_003707
Protein Refseq	NP_003698
MIM	603449

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UniProt ID	Q9Y265
Chromosome Location	3q21
Pathway	Wnt signaling pathway
Function	ATP binding; NOT ATPase activity; DNA helicase activity; hydrolase activity; nucleotide binding; protein binding

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