

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 *E. coli* 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 VLMENFRAI GLRIKETKEV
 YEGEVTELP CETENPMGGY GKTISHVIIG LKTAKGTKQL KLDPSIFESL
 QKERVEAGDV IYIEANSGAV KRQGRCDTYA TEFDLEAEEY VPLPKGDVHK
 KKEIIQDVTL HDLDVANARP QGGQDILSMM GQLMKPKKTE ITDKLRGEIN
 KVVNKYIDQG IAELVPGVLF VDEVHMLDIE CFTYLHRALE SSIAPIVIFA
 SNRGNVCVIRG TEDITSPHGI PLDLLDRVMI IRTMLYTPQE MKQIIKIRAQ
 TEGINISEEA LNHLGEIGTK 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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