Recombinant Full Length Human RUVBL2 Protein, His-tagged

Cat. No. RUVBL2-30950TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RUVBL2;RuvB like AAA ATPase 2;RVB2;TIH2;ECP51;TIP48;CGI-46;ECP-51;INO80J;REPTIN;TIP49B;TAP54-beta;His-tagged;Human
Species	Human
Source	E. coli
ProteinLength	1-463 aa
Description	RUVBL2 (RuvB like AAA ATPase 2), also known as RVB2, TIP48, or REPTIN, is the second human homolog of the bacterial RuvB gene. The bacterial RuvB protein is a DNA helicase essential for homologous recombination and double-strand break repair. RUVBL2 possesses both ATPase and DNA helicase activities and functions in chromatin remodeling, transcription regulation, DNA repair, snoRNP assembly, and Wnt signaling pathway regulation.
Form	Liquid
Molecular Mass	53 kDa (calculated)
AASequence	MGSSHHHHHHSSGLVPRGSHMATVTATTKVPEIRDVTRIERIGAHSHIRGLGLDDAL EPRQASQGMVGQLAARRAAGVVLEMIREGKIAGRAVLIAGQPGTGKTAIAMGMAQA LGPDTPFTAIAGSEIFSLEMSKTEALTQAFRRSIGVRIKEETEIIEGEVVEIQIDRPATGT GSKVGKLTLKTTEMETIYDLGTKMIESLTKDKVQAGDVITIDKATGKISKLGRSFTRAR DYDAMGSQTKFVQCPDGELQKRKEVVHTVSLHEIDVINSRTQGFLALFSGDTGEIKS

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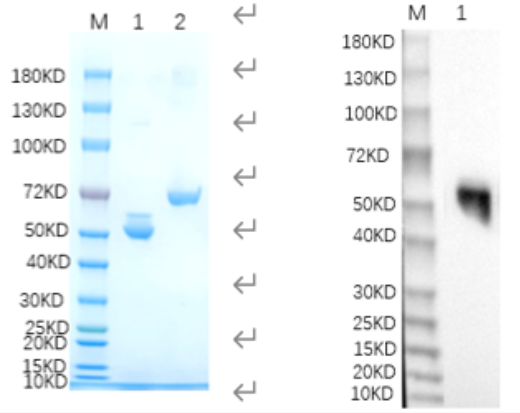
	EVREQINAKVAEWREEGKAEIIPGVLFIDEVHMLDIESFSFLNRALESDMAPVLIMATN RGITRIRGTSYQSPHGIPIDLLDRLLIVSTTPYSEKDTKQILRIRCEEEDVEMSEDAYTV LTRIGLETSLRYAIQLITAASLVCRKRKGTEVQVDDIKRVYSLFLDESRSTQYMKEYQ DAFLFNELKGETMDTS
Endotoxin	<1.0 EU/ug (by LAL)
Purity	>90% (by SDS-PAGE)
Storage	Store under sterile conditions at -20°C to -80°C, aliquot, avoid repeated freeze-thaw cycles
Concentration	1 mg/ml (by BCA)
Labeling Efficiency	Sterile PBS, pH7.4, 0.1% SKL

GENE INFORMATION

Gene Name	RUVBL2
Official Symbol	NM_006666.3
Synonyms	NP_006657.1
Gene ID	https://www.ncbi.nlm.nih.gov/protein/NP_006657.1
mRNA Refseq	https://www.uniprot.org/uniprotkb/Q9Y230
Protein Refseq	https://www.ncbi.nlm.nih.gov/gene/10856
MIM	https://www.omim.org/entry/604788

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SDS-PAGE and WB analysis of RUVBL2-30950TH



RUVBL2-30950TH 1ug BSA 1ug Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified RUVBL2-30950TH

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