Recombinant Human RUVBL2, GST tagged

Cat. No. RUVBL2-2475H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RUVBL2 full-length ORF (AAH00428, 1 a.a. - 463 a.a.) was expressed in Wheat Germ with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes the second human homologue of the bacterial RuvB gene. Bacterial RuvB protein is a DNA helicase essential for homologous recombination and DNA double-strand break repair. Functional analysis showed that this gene product has both ATPase and DNA helicase activities. This gene is physically linked to the CGB/LHB gene cluster on chromosome 19q13.3, and is very close (55 nt) to the LHB gene, in the opposite orientation.
Form	Liquid
Molecular Mass	76.67 kDa
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	RUVBL2 RuvB-like 2 (E. coli) [Homo sapiens]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	RUVBL2
Synonyms	RUVBL2; RuvB-like 2 (E. coli); RuvB (E coli homolog) like 2; ruvB-like 2; ECP51; INO80 complex subunit J; INO80J; reptin; Reptin52; Rvb2; RVB2; TIH2; TIP48; TIP49b; ECP-51; reptin 52; TAP54-beta; reptin52 protein; repressing pontin 52; RuvB (E coli homolog)-like 2; 48 kDa TBP-interacting protein; TBP-interacting protein, 48-KD; TIP60-associated protein 54-beta; 51 kDa erythrocyte cytosolic protein; erythrocyte cytosolic protein, 51-KD; 48 kDa TATA box-binding protein-interacting protein; CGI-46; REPTIN; TIP49B;
Gene ID	10856
mRNA Refseq	NM_006666
Protein Refseq	NP_006657
MIM	604788
UniProt ID	Q9Y230
Chromosome Location	19q13.3
Pathway	ATF-2 transcription factor network, organism-specific biosystem; C-MYC pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Extension of Telomeres, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem; Telomere Extension By Telomerase, organism-specific biosystem;
Function	ATP binding; ATP-dependent DNA helicase activity; contributes_to ATPase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	DNA helicase activity; damaged DNA binding; hydrolase activity; identical protein binding; identical protein binding; nucleotide binding; protein binding; unfolded protein binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA