

Recombinant Full Length Human TRIP13 Protein (M1-I432), Tag Free

Cat. No. TRIP13-0829H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-TRIP13(M1-I432 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	M1-I432
Description	Plays a key role in chromosome recombination and chromosome structure development during meiosis. Required at early steps in meiotic recombination that leads to non-crossovers pathways. Also needed for efficient completion of homologous synapsis by influencing crossover distribution along the chromosomes affecting both crossovers and non-crossovers pathways. Also required for development of higher-order chromosome structures and is needed for synaptonemal-complex formation. In males, required for efficient synapsis of the sex chromosomes and for sex body formation. Promotes early steps of the DNA double-strand breaks (DSBs) repair process upstream of the assembly of RAD51 complexes. Required for depletion of HORMAD1 and HORMAD2 from synapsed chromosomes. Plays a role in mitotic spindle assembly checkpoint (SAC) activation.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein

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Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.
GENE INFORMATION	
Gene Name	TRIP13 thyroid hormone receptor interactor 13 [Homo sapiens (human)]
Official Symbol	TRIP13
Synonyms	TRIP13; thyroid hormone receptor interactor 13; pachytene checkpoint protein 2 homolog; 16E1BP; thyroid receptor interacting protein 13; 16E1-BP; TRIP-13; TR-interacting protein 13; HPV16 E1 protein binding protein; HPV16 E1 protein-binding protein; thyroid receptor-interacting protein 13; human papillomavirus type 16 E1 protein-binding protein;
Gene ID	9319
mRNA Refseq	NM_001166260
Protein Refseq	NP_001159732
MIM	604507

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UniProt ID

Q15645

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