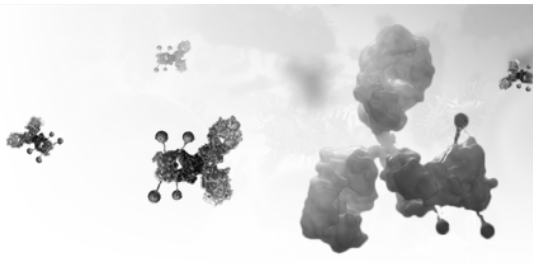

Human EIF3B peptide (DAG-P1563)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the eIF-3 subunit B family.Contains 1 RRM (RNA recognition motif) domain.Contains 5 WD repeats.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	EIF3B eukaryotic translation initiation factor 3, subunit B [Homo sapiens (human)]
Official Symbol	EIF3B
Synonyms	EIF3B; eukaryotic translation initiation factor 3, subunit B; PRT1; EIF3S9; EIF3-ETA; EIF3-P110; EIF3-P116; eukaryotic translation initiation factor 3 subunit B; hPrt1; eIF-3-eta; eIF3 p110; eIF3 p116; prt1 homolog; eukaryotic translation initiation factor 3 subunit 9; eukaryotic translation initiation factor 3, subunit 9 eta, 116kDa; eukaryotic translation initiation factor 3,

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	subunit 9 (eta, 116kD);
Entrez Gene ID	8662
mRNA Refseq	NM_001037283.1
Protein Refseq	NP_001032360.1
UniProt ID	P55884
Chromosome Location	7p22.3
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Formation of a pool of free 40S subunits, organism-specific biosystem; Formation of the ternary complex, and subsequently, the 43S complex, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-s
Function	nucleotide binding; protein binding; protein complex scaffold; contributes_to translation initiation factor activity; translation initiation factor activity; contributes_to translation initiation factor activity; translation initiation factor binding;

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