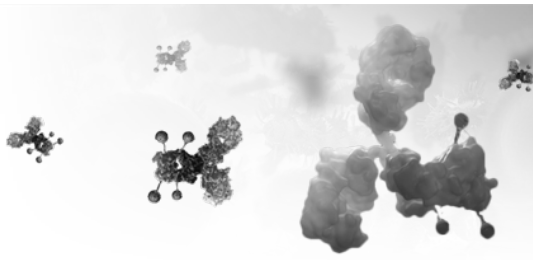

Human UPF3B peptide (DAG-P1277)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. The encoded protein is one of two functional homologs to yeast Upf3p. mRNA surveillance detects exported mRNAs with truncated open reading frames and initiates nonsense-mediated mRNA decay (NMD). When translation ends upstream from the last exon-exon junction, this triggers NMD to degrade mRNAs containing premature stop codons. This protein binds to the mRNA and remains bound after nuclear export, acting as a nucleocytoplasmic shuttling protein. It forms with Y14 a complex that binds specifically 20 nt upstream of exon-exon junctions. This gene is located on the long arm of chromosome X. Two splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
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	UPF3B UPF3 regulator of nonsense transcripts homolog B (yeast) [Homo sapiens (human)]
Official Symbol	UPF3B
Synonyms	UPF3B; UPF3 regulator of nonsense transcripts homolog B (yeast); MRX62; UPF3X; HUPF3B; MRXS14; RENT3B; regulator of nonsense transcripts 3B; hUpf3p-X; mental retardation, X-linked 62; nonsense mRNA reducing factor 3B; up-frameshift suppressor 3 homolog B; up-frameshift suppressor 3 homolog on chromosome X;

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

Entrez Gene ID	65109
mRNA Refseq	NM_023010.3
Protein Refseq	NP_075386.1
UniProt ID	Q9BZI7
Chromosome Location	Xq25-q26
Pathway	Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Exon junction complex (EJC), organism-specific biosystem; Exon junction complex (EJC), conserved biosystem; Gene Expression, organism-specific biosystem; Nonsense Mediated Decay Enhanced by the Exon Junction Complex, organism-specific biosystem; Nonsense-Mediated Decay, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; RNA Polymerase II Transcription, or
Function	mRNA binding; nucleocytoplasmic transporter activity; nucleotide binding; poly(A) RNA binding; protein binding;

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