



FMR1 blocking peptide (CDBP5451)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene binds RNA and is associated with polysomes. The encoded protein may be involved in mRNA trafficking from the nucleus to the cytoplasm. A trinucleotide repeat (CGG) in the 5' UTR is normally found at 6-53 copies, but an expansion to 55-230 repeats is the cause of fragile X syndrome. Expansion of the trinucleotide repeat may also cause one form of premature ovarian failure (POF1). Multiple alternatively spliced transcript variants that encode different protein isoforms and which are located in different cellular locations have been described for this gene. [provided by RefSeq, May 2010]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	FMR1 fragile X mental retardation 1 [Homo sapiens (human)]
Official Symbol	FMR1
Synonyms	FMR1; fragile X mental retardation 1; POF; FMRP; POF1; FRAXA; fragile X mental retardation protein 1

Entrez Gene ID	2332
mRNA Refseq	NM_001185075
Protein Refseq	NP_001172004
UniProt ID	Q06787
Pathway	RNA transport
Function	RNA binding; mRNA binding; poly(A) RNA binding; protein binding
