



## FMR1 blocking peptide (CDBP5451)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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]
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<b>Conjugate</b>	Unconjugated
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<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
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<b>Format</b>	Liquid
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<b>Concentration</b>	200 µg/mL
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<b>Size</b>	0.05 mg
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<b>Preservative</b>	None
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<b>Storage</b>	-20°C
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### GENE INFORMATION

<b>Gene Name</b>	<a href="#">FMR1 fragile X mental retardation 1 [ Homo sapiens (human) ]</a>
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<b>Official Symbol</b>	FMR1
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<b>Synonyms</b>	FMR1; fragile X mental retardation 1; POF; FMRP; POF1; FRAXA; fragile X mental retardation protein 1
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<b>Entrez Gene ID</b>	<a href="#">2332</a>
<b>mRNA Refseq</b>	<a href="#">NM_001185075</a>
<b>Protein Refseq</b>	<a href="#">NP_001172004</a>
<b>UniProt ID</b>	Q06787
<b>Pathway</b>	RNA transport
<b>Function</b>	RNA binding; mRNA binding; poly(A) RNA binding; protein binding