

Product datasheet for **TP701140**

FMR1 Mutant (I304N) Human Recombinant Protein

Product data:

Product Type:	Mutant Proteins
Description:	Purified mutant recombinant protein of Human fragile X mental retardation 1 (FMR1), transcript variant ISO1 mutation at I304N)
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC222699, encoding the full-length of FMR1 (I304N)
Tag:	Myc-DDK
Predicted MW:	71 kDa
Concentration:	>0.05 µg/µL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 12 months from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002015.1
Locus ID:	2332
RefSeq Size:	4362
Cytogenetics:	Xq27.3
RefSeq ORF:	1896
Synonyms:	FMRP; FRAXA; POF; POF1; POFX



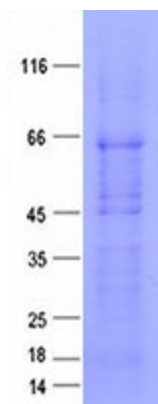
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Summary:

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]

Protein Families:

Druggable Genome

Product images:

Purified recombinant protein FMR1 (I304N) was analyzed by SDS-PAGE gel and Coomassie Blue Staining.