

## Product datasheet for **TP322699L**

### FMRP (FMR1) (NM\_002024) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human fragile X mental retardation 1 (FMR1), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC222699 representing NM\_002024

**Clone or AA** Red=Cloning site Green=Tags(s)

**Sequence:**

MEELVVEVRGNSGAFYKAFVKDVHEDSITVAFENNWQPDRQIPFHDVRFPPPVGYNKDINESDEVEVYSR  
ANEKEPCCWWLAKVRMIKGEFYVIEYAACDATYNEIVTIERLSVNPKNPATKDTFHKIKLDVPEDLRQM  
CAKEAAHKDFKKAVGAFSVTYDPENYQLVILSINEVTSKRAHMLIDMHFRSLRKLKSLIMRNEEASKQLE  
SSRQLASRFHEQFIVREDLMGLAIGTHGANIQQARKVPGVTAIDLDEDTCTFHIYGEDQDAVKKARSFLE  
FAEDVIQVPRNLVGVKVGKNGKLIQEIVDKSGVVRVRIEAENEKNVPQEEEIMPPNSLPSNNSRVGPNAP  
EEKKHLDIKENSTHFSQPNSTKVQRVLVASSVAGESQKPELKAWQGMVFPVFGTKDSIANATVLLDYH  
LNYLKEVDQLRLERLQIDEQLRQIGASSRPPNRTDKEKSYVTDDGGQGMGRGSRPYRNRGHGRRGPGYTS  
GTNSEASNASETSDHRDELSDWSLAPTEEERESFLRRGDGRRRGGGGGRGQGGRRGGGGFKGNDHSTRD  
NRPRNPREAKGRITTDGSLQIRVDCNNERSVHTKTLQNTSSEGSRLRTGKDRNQKKEKPDSVDGQQPLVNG  
VP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 71 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA 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

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

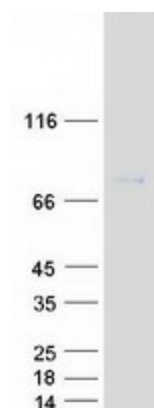
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002015</a>
<b>Locus ID:</b>	2332
<b>UniProt ID:</b>	<a href="#">Q06787</a>
<b>RefSeq Size:</b>	4362
<b>Cytogenetics:</b>	Xq27.3
<b>RefSeq ORF:</b>	1896
<b>Synonyms:</b>	FMRP; FRAXA; POF; POF1; POFX
<b>Summary:</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]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified FMR1 protein (Cat# [TP322699]). The protein was produced from HEK293T cells transfected with FMR1 cDNA clone (Cat# [RC222699]) using MegaTran 2.0 (Cat# [TT210002]).