

Recombinant Full Length Human FMR1 Protein, GST-tagged

Cat. No. FMR1-4996HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FMR1 full-length ORF (AAH38998.1, 1 a.a. - 297 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	297 amino acids
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). [provided by RefSeq]
Molecular Mass	58.41 kDa
AA Sequence	MEELVVEVRGSNGAFYKAFVKDVHEDSITVAFENNWQPDRQIPFHDVRFPPVGYN KDINESDEVEVYSRANEKEPCCWWLAKVRMIKGEFYVIEYAACDATYNEIVTIERLRS VNPKNPATKDTFHKIKLDVPEDLRQMCAKEAAHKDFKKAVGAFSVTYDPENYQLVIL SINEVTSKRAHMLIDMHFRSLRTKLSLIMRNEEASKQLESSRQLASRFHEQFIVREDL MGLAIGTHGANIQQARKVPGVTAIDLDEDTCTFHIYGEDQDAVKKARSFLEFAEDVIQ VPRNLVGLKI

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FMR1 fragile X mental retardation 1 [Homo sapiens]
Official Symbol	FMR1
Synonyms	FMR1; fragile X mental retardation 1; POF, POF1, premature ovarian failure 1; fragile X mental retardation protein 1; FMRP; FRAXA; MGC87458; protein FMR-1; fragile X mental retardation 1 protein; POF; POF1;
Gene ID	2332
mRNA Refseq	NM_001185075
Protein Refseq	NP_001172004
MIM	309550
UniProt ID	Q06787

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