Recombinant Human FMR1 protein, MYC/DDK-tagged

Cat. No. FMR1-446H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FMR1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	71 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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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_002024
Protein Refseq	NP_002015
MIM	309550
UniProt ID	Q06787
Chromosome Location	Xq27.3
Pathway	RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;
Function	RNA binding; RNA binding; mRNA binding; protein binding;

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