



Recombinant Human FMR1 Protein Product Manual

1. Product Basic Information

Product No.: REP06907

Protein Name: Fragile X Messenger Ribonucleoprotein 1 (FMR1)

Aliases: POF; FMRP; POF1; FRAXA; fragile X messenger ribonucleoprotein 1

UniProt ID: Q06787

UniProt Link: <https://www.uniprot.org/uniprotkb/Q06787/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length (1-632)

Molecular Weight:

Protein Tag: Tag type will be determined during the manufacturing process. The tag type will be determined during production process. If you have specified tag type, please tell us and we will develop the specified tag preferentially.

2. Amino Acid Sequence (1-632)

MEELVVEVRGSNGAFYKAFVKDVHEDSITVAFENNWQPDRQIPFHDVRFPPPVGY
NKDINESDEVEVYSRANEKEPCCWWLAKVRMIKGEFYVIEYAACDATYNEIVTIERL
RSVNPKNPKATKDTFHKIKLDVPEDLRQMCakeAAHKDFKKAVGAFSVTYDPENYQL
VILSINEVTSKRAHMLIDMHFRSLRTKLSLIMRNEEASKQLESSRQLASRFHEQFIVR
EDLMGLAIGTHGANIQQARKVPGVTAIDLDEDTCTFHIYGEDQDAVKKARSFLEFAE
DVIQVPRNLVGKVGKNGKLIQEIVDKSGVVVRVRIEAENEKNVPQEEEIMPPNSLPSN
NSRVGPNAPEEKKHLDIKENSTHFSQPNSTKVQRVLVASSVVAGESQKPELKAQQ
GMVPFVFGTKDSIANATVLLDYHLNLYLKEVDQLRLERLQIDEQLRQIGASSRPPPN
RTDKEKSYVTDDGQGMGRGSRPYRNRGHGRRGPGYTSGTNSEASNASETESDH
RDELSDWSLAPTEEERESFLRRGDGRRRGGGGRGQGGRGRGGGFKGNDHDSRT
DNRPRNPREAKGRTTDGSLQIRVDCNNERSVHTKTLQNTSSEGSRLRTGKDRNQK
KEKPDSVDGQQPLVNGVP

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



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glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human FMR1 full length protein (1-632) expressed in Yeast. FMR1, also known as POF or FMRP or POF1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.