

Product datasheet for MR225863

F8 (NM_007977) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F8 (NM_007977) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F8
Synonyms:	Cf-8; Cf8; FVIII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225863 representing NM_007977 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAAATAGCACTCTTCGCTTCTTTCTGAGCCTTTTCAATTTCTGCTCTAGTGCCATCAGAAGAT
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TCTTCATGCTGTTGGTGTGCTCTACTGGAAAGCTTCTGAGGGAGATGAATATGAAGATCAGACAAGCCAA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >MR225863 representing NM_007977
 Red=Cloning site Green=Tags(s)

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 MEKEDDKVFPGESHTYVWQVLKENGPMASDPPCLTYSYMSHVDL VKDLNSGLIGALLVCKEGLSKERTQ
 MLYQFVLLFAVDFEGKSWHSETNDSYTSQMSASARDWPKMHTVNGYVNRSLPGLIGCHRSVYWHVIGM
 GTTPEIHSIFLEGHTFFVRNHRQASLEISPIITFLTAQTLLIDLQGFLLFCHISSHKHDGMEAYVKVDS
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 PYNIYPHGITDVSPHARRLPRGIKHVKDLPIHPGEIFKYKWTVTVEDGPTKSDPRCLTRYSSFINPER
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 LGCEAQQQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_007977

ORF Size: 6957 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_007977.2](#), [NP_032003.2](#)

RefSeq Size: 7522 bp

RefSeq ORF: 6960 bp

Locus ID: 14069

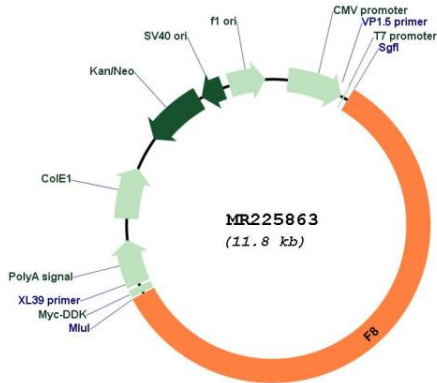
UniProt ID: [Q06194](#)

Cytogenetics: X 38.17 cM

MW: 266.6 kDa

Gene Summary: Factor VIII, along with calcium and phospholipid, acts as a cofactor for factor IXa when it converts factor X to the activated form, factor Xa.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225863