

Product datasheet for **SC122246**

MUM1 (IRF4) (BC015752) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MUM1 (IRF4) (BC015752) Human Untagged Clone
Tag:	Tag Free
Symbol:	MUM1
Synonyms:	interferon regulatory factor 4; LSIRF; multiple myeloma oncogene 1; MUM1; OTTHUMP00000017905
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC015752 edited
CTCCGAGTCCAGGGCGAGTGCAGAGCAGAGCGGGCGGAGGACCCCGGGCGGGCGCGGA
CGGCACGCGGGGCATGAACCTGGAGGGCGGGCCGAGGCGGAGAGTTCCGGCATGAGCGC
GGTGAGCTGCGGCAACGGGAAGCTCCGCCAGTGGCTGATCGACCAGATCGACAGCGGCAA
GTACCCCGGGCTGGTGTGGGAGAACGAGGAGAAGAGCATCTTCCGCATCCCCTGGAAGCA
CGCGGGCAAGCAGGACTACAACCGCGAGGAGACGCCCGCTCTTCAAGGCTTGGGCACT
GTTTAAAGGAAAGTTCCGAGAAGGCATCGACAAGCCGACCCCTCCACCTGGAAGACGCG
CCTGCGGTGCGCTTTGAACAAGAGCAATGACTTTGAGGAACTGGTTGAGCGGAGCCAGCT
GGACATCTCAGACCCGTACAAAGTGTACAGGATTGTTCCCTGAGGGAGCCAAAAAGGAGC
CAAGCAGCTCACCTTGGAGGACCCGAGATGTCCATGAGCCACCCCTACACCATGACAAC
GCCTTACCCTTCGCTCCCAGCCAGCAGGTTCACTACTACATGATGCCACCCCTCGACCG
AAGCTGGAGGGACTACGTCCCGGATCAGCCACACCCGAAATCCCGTACCAATGTCCCAT
GACGTTTGGACCCCGGGCCACCACTGGCAAGGCCAGCTTGTGAAAATGGTTGCCAGGT
GACAGGAACCTTTTATGCTTGTGCCACCTGAGTCCCAGGCTCCCGGAGTCCCCACAGA
GCCAAGCATAAGGTCTGCCGAAGCCTTGGCGTTCTCAGACTGCCGCTGCACATCTGCCCT
GTACTACCGGAAATCCTCGTGAAGGAGCTGACCACGTCCAGCCCGAGGGCTGCCGGAT
CTCCCATGGACATACGTATGACGCCAGCAACCTGGACCAGGTCCTGTTCCCTACCCAGA
GGACAATGGCCAGAGGAAAAACATTGAGAAGCTGCTGAGCCACCTGGAGAGGGGGCTGGT
CCTCTGGATGGCCCCGACGGGCTCTATGCGAAAAGACTGTGCCAGAGCAGGATCTACTG
GGACGGGGCCCCTGGCGCTGTGCAACGACCGGCCAACAACTGGAGAGAGACCAGACCTG
CAAGCTCTTTGACACACAGCAGTTCTTGTGAGAGCTGCAAGCGTTTGTCTACCACGGCCG
CTCCCTGCCAAGATTCCAGGTGACTCTATGCTTTGGAGAGGAGTTTCCAGACCCCTCAGAG
GCAAAGAAAGCTCATCACAGCTCACGTAGAACCCTGCTAGCCAGACAACATATATTATTT
TGCTCAACAAAACAGTGGACATTTCCCTGAGGGGCTACGATTTACCAGAACACATCAGCAA
TCCAGAAGATTACCACAGATCTATCCGCCATTCCTCTATTCAAGAATGAAAAATGCAAG
ATGAGTGGTTTTCTTTTTCTTTTTTTTTTTTTTTTGGATACGGAGATACGGGGTCTTGCT
CTGTCTCCAGGCTGGAGTGCAGTGACACAATCTCAGCTCACTGTGACCTCCGCCTCCTG
GGTTCAAGAGACTCTCCTGCCTCAGCCTCCCTGGTAGCTGGGATTACAGGTGTGAGCCAC
TGCACCCACCCAAGACAAGTGATTTTCATTGTAATATTTGACTTTAGTAAAAGCGTCCA
ATTGACTGCCCTTACTGTTTTGAGGAACTCAGAAGTGGAGATTTAGTTCCAGCGTTG
AGGAGAATTGCGGCGAGACAAGCATGAAAATCAGTGACATCTGATTGGCAGATGAGCTT
ATTTCAAAGGAAGGGTGGCTTTGCATTTCTTGTGTTCTATAGACTGCCATCATTGATGA
TCACTGTGAAAATTGACCAAGTGATGTGTTTACATTTACTGAAATGCGCTCTTAAATTTG
TTGTAGATTAGGTCTTGCTGGAAGACAGAGAAAACCTTGCCTTTCAGTATTGACACTGACT
AGAGTGATGACTGCTTGTAGGTATGTCTGTGCCATTTCTCAGGGAAGTAAGATGTAATTT
GAAGAAGCCTCACACGTAAAAGAAATGTATTAACGTATGTAGGAGCTGCAGTTCTTGTGG
AAGACACTTGCTGAGTGAAGGAAATGAATCTTTGACTGAAGCCGTGCCTGTAGCCTTGGG
GAGGCCCATCCCCACCTGCCAGCGTTTCCCTGGTGTGGGTCCCTCTGCTCCCTTGAAA
AAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC015752 unedited NNNNCCAGTTCACATTTGTATACGACTCATATAGGCGGCACGCGAATTCGCACGAGGCTC CGAGTCCAGGCGAGTGCAGAGCAGAGCGGGCGGAGGACCCCGGGCGGGGCGGGACGGC ACGCGGGGCATGAACCTGGAGGGGCGGGCCGAGGCGGAGAGTTCGGCATGAGCGCGGTG AGCTGCGGCAACGGGAAGCTCCGCCAGTGGCTGATCGACCAGATCGACAGCGGCAAGTAC CCCGGGCTGGTGTGGGAGAACGAGGAGAAGAGCATCTTCCGCATCCCCTGGAAGCACGCG GGCAAGCAGGACTACAACCGCGAGGAGGACGCCGCGCTTCAAGGCTTGGGCACTGTTT AAAAGAAAGTTCCGAGAAGGCATCGACAAGCCGACCCTCCACCTGGAAGACGCGCCTG CGGTGCGCTTTGAACAAGAGCAATGACTTTGAGGAACTGGTTGAGCGGAGCCAGCTGGAC ATCTCAGACCCGTACAAAGTGTACAGGATTGTTCTGAGGGAGCCAAAAAAGGAGCCAAG CAGCTCACCTTGGAGGACCCGCAGATGTCCATGAGCCACCCCTACACCATGACAACGCTT TACCCTTCGCTCCAGCCAGCAGGTTCACTACTACATGATGCCACCCCTCGACCGAAGC TGGAGGGACTACGTCCCGGATCAGCCACACCCGGGAATCCCGTACCAATGTCCCATGACG TTTGGACCCCGCGCCACCACTGGNCAGGCCAGCTTGTGAAAATGGTTGCCAGGTGACA GGAACCTTTTATAGCTGTGCCCCACCTGAGTCCCAGCTCCCGGAGTCCCACAGAGCCC AGCATAAGGTCTGCCGAAGCTC
Restriction Sites:	Please inquire
ACCN:	BC015752
Insert Size:	2235 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	BC015752.1 , AAH15752.1
RefSeq Size:	2235 bp
Locus ID:	3662
Cytogenetics:	6p25.3
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

The protein encoded by this gene belongs to the IRF (interferon regulatory factor) family of transcription factors, characterized by a unique tryptophan pentad repeat DNA-binding domain. The IRFs are important in the regulation of interferons in response to infection by virus, and in the regulation of interferon-inducible genes. This family member is lymphocyte specific and negatively regulates Toll-like-receptor (TLR) signaling that is central to the activation of innate and adaptive immune systems. A chromosomal translocation involving this gene and the IgH locus, t(6;14)(p25;q32), may be a cause of multiple myeloma. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2010]