

Product datasheet for **SC337532**

Matriptase 2 (TMPRSS6) (NM_001289000) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Matriptase 2 (TMPRSS6) (NM_001289000) Human Untagged Clone
Tag:	Tag Free
Symbol:	Matriptase 2
Synonyms:	IRIDA; MT2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001289000, the custom clone sequence may differ by one or more nucleotides

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ATGCCCGTGGCCGAGGCCCCAGGTGGCTGGCGGGCAGGGGACGGAGGTGATGGCGAGGAAGCGGAGC
CGGAGGGGATGTTCAAGGCCTGTGAGGACTCCAAGAGAAAAGCCCGGGGCTACCTCCGCCTGGTGCCCT
GTTTGTGCTGCTGGCCCTGCTCGTGTGGCTTCGGCGGGGTGCTACTCTGGTATTTCTAGGGTACAAG
GCGGAGGTGATGGTCAGCCAGGTGACTCAGGCAGTCTGCGTGTACTCAATCGCCACTTCTCCAGGATC
TTACCCGCCGGGAATCTAGTGCCTTCCGAGTGA AACCCGCCAAAGCCAGAAGATGCTCAAGGAGCTCAT
CACCAGACCCGCCTGGGA ACTACTACA ACTCCAGCTCCGTCTATTCTTTGGGGAGGGACCCCTCACC
TGCTTCTTCTGGTTATTCTCCAATCCCCGAGCACCGCCGGCTGATGCTGAGCCCCGAGGTGGTGACGG
CACTGCTGGTGGAGGAGCTGCTGTCCACAGTCAACAGCTCGGCTGCCGTCCCCTACAGGGCCGAGTACGA
AGTGGACCCCGAGGGCCTAGTGATCCTGGAAGCCAGTGTGAAAGACATAGCTGCATTGAATTCACGCTG
GGTTGTTACCGCTACAGTACGTGGGCCAGGGCCAGTCTCCGGCTGAAGGGCCCTGACCACCTGGCCT
CCAGCTGCCTGTGGCACCTGCAGGGCCCAAGGACCTCATGCTCAA ACTCCGGCTGGAGTGGACGCTGGC
AGAGTGGCCGGACCGACTGGCCATGTATGACGTGGCCGGGCCCTGGAGAAGAGGGCTCATCACCTCGGTG
TACGGCTGCAGCCGCCAGGAGCCCGTGGTGGAGGTTCTGGCGTCCGGGGCCATCATGGCGGTGCTGTTGA
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TACTCGCCCCAAACCCACTGCTCCTGGCACCTCACGGTGCCTCTCTGGACTACGGCTTGGCCCTCTGGT
TTGATGCCTATGCACTGAGGAGGCAGAAGTATGATTTGCCGTGCACCCAGGGCCAGTGGACGATCCAGAA
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ACCAGTCAACTTCACCTCCCAGATCTCCCTCACCGGGCCGGTGTGCGGGTGCACATGGCTTGTACA
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GACAGCACATGCATCTCACTGCCAAGGTCTGTGATGGGCAGCCTGATTGTCTAACGGCAGCGACGAAG
AGCAGTGCCAGGAAGGGGTGCCATGTGGGACATTCACCTTCCAGTGTGAGGACCGGAGCTGCGTGAAGAA
GCCCAACCCGAGTGTGATGGGCGGCCGACTGCAGGGACGGCTCGGATGAGGAGCACTGTGACTGTGGC
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GCCTCCAGTTCCGGGTGCACACATCTGTGGGGGGCCCTCATCGCTGACCGCTGGGTGATAACAGCTGC
CCACTGCTTCCAGGAGGACAGCATGGCCTCCACGGTGTGTGGACCGTGTCTGGCAAGGTGTGGCAG
AACTCGCGCTGGCTGGAGAGGTGCTTCAAGGTGAGCCGCTGCTCCTGCACCCGTACCACGAAGAGG
ACAGCCATGACTACGACGTGGCGCTGCTGCAGCTCGACCACCCGGTGGTGCCTCGGCCCGCTGCGCCC
CGTCTGCCTGCCCGCGCTCCCACTTCTTCGAGCCCGCCTGCAGTGTGGATTACGGGTGGGGCGCC
TTGCGGAGGGGCGCCCTACGGGCGGATGCTGTGGCCCTATTTTATGGATGGAGAAACCAAGGCTCAGAGA
CATGTTGCTGCCCATCAGCAACGCTCTGCAGAAAGTGGATGTGCAGTTGATCCACAGGACCTGTGCAG
CGAGGTCTATCGTACCAGGTGACGCCACGCATGCTGTGTGCCGGCTACCGCAAGGGCAAGAAGGATGCC
TGTGAGGTGACTCAGGTGGTCCGCTGGTGTGCAAGGCACTCAGTGGCCGCTGGTTCCTGGCGGGCTGG
TCAGCTGGGGCCTGGGCTGTGGCCGGCCTAACTACTTCCGGCTTACACCCGCATCACAGGTGTGATCAG
CTGGATCCAGCAAGTGGTGACCTGA
    
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Restriction Sites: Sgfl-MluI

ACCN: NM_001289000

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:	<u>NM_001289000.1</u> , <u>NP_001275929.1</u>
RefSeq Size:	3196 bp
RefSeq ORF:	2475 bp
Locus ID:	164656
UniProt ID:	<u>Q8IU80</u>
Cytogenetics:	22q12.3
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a type II transmembrane serine proteinase that is found attached to the cell surface. The encoded protein may be involved in matrix remodeling processes in the liver. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>