

Product datasheet for **SC318823**

Trypsin (PRSS3) (NM_007343) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trypsin (PRSS3) (NM_007343) Human Untagged Clone
Tag:	Tag Free
Symbol:	Trypsin
Synonyms:	MTG; PRSS4; T9; TRY3; TRY4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_007343 edited CCTCTCCTGAAGCACACAGCCTAGGGAGTTCCTGGGGCCAGAGACATCTCCAAGGGAAGG TCAAGGGCCTGGAGGATGTGCGGACCTGACGACAGATGCCCGCACGCTGGCCGGGACCG GGAAGGGCGGTCAAGTGTGGAAAGGGTCTGGCGGCTGCCAGGCCTGGCAGAGTGGAGCGG GGCGGGGCGCAGCGGGGCGGGGCGGCCTGGAGCTGCACCCGCTTCTGGGTGGACGCACT TGGCGAGCGCGCGGGATGCAGACGGCTGCGAGGCGCTGGGCACAGTTGCTGTCCCTTT GACGATGATGACAAGATTGTTGGGGCTACACCTGTGAGGAGAATTCTCTCCCCTACCAG GTGTCCCTGAATTCTGGCTCCCACTTCTGCGGTGGCTCCCTCATCAGCGAACAGTGGGTG GTATCAGCAGCTCACTGCTACAAGACCCGCATCCAGGTGAGACTGGGAGAGCACAACATC AAAGTCTGGAGGGAATGAGCAGTTCATCAATGCGGCAAGATCATCCGCCACCCTAAA TACAACAGGGACTCTGGACAATGACATCATGCTGATCAAACCTCCTCACCTGCCGTC ATCAATGCCCGCTGTCCACCATCTCTGCCCCACCGCCCTCCAGCTGCTGGCACTGAG TGCCCTCATCTCCGGCTGGGGCAACTCTGAGCTTTGGTGTGACTACCCAGACGAGCTG AAGTGCCTGGATGCTCCGGTGTGACCCAGGCTGAGTGTAAAGCCTCCTACCCTGAAAAG ATTACCAACAGCATGTTCTGTGTGGCTTCCTTGAGGGAGGCAAGGATTCCTGCCAGCGT GACTCTGGTGGCCCTGTGGTCTGCAACGGACAGCTCCAAGGAGTTGTCTCCTGGGGCCAT GGCTGTGCTGGAAGAACAGGCCTGGAGTCTACACCAAGGTCTACAACATATGTGGACTGG ATTAAGGACACCATCGCTGCCAACAGCTAA
Restriction Sites:	Please inquire
ACCN:	NM_007343
Insert Size:	900 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_007343.2 , NP_031369.2
RefSeq Size:	981 bp
RefSeq ORF:	915 bp
Locus ID:	5646
UniProt ID:	P35030
Cytogenetics:	9p13.3
Protein Families:	Druggable Genome, Protease, Secreted Protein
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is expressed in the brain and pancreas and is resistant to common trypsin inhibitors. It is active on peptide linkages involving the carboxyl group of lysine or arginine. This gene is localized to the locus of T cell receptor beta variable orphans on chromosome 9. Four transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>