

Product datasheet for **SC215432**

FURIN (NM_002569) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FURIN (NM_002569) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	FURIN
Synonyms:	FUR; PACE; PCSK3; SPC1
ACCN:	NM_002569
Insert Size:	1609 bp



[View online »](#)

Insert Sequence: >SC215432 3'UTR clone of NM_002569
 The sequence shown below is from the reference sequence of NM_002569. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCCTTTATCAAAGACCAGAGCGCCCTCTGATGAGCCCACTGCCACCCCTCAAGCCAATCCCTCCTT
GGGCACTTTTTAATTCACCAAAGTATTTTTTATCTTGGGACTGGGTTTGGACCCAGCTGGGAGGCAA
GAGGGGTGGAGACTGCTTCCATCTACCTCGGGCCACCTGGCCACCTGAGGTGGGCCAGGACCAG
CTGGGGCGTGGGAGGGCGTACCCACCTCAGCACCCCTTCCATGTGGAGAAAGGAGTGAAACCTTT
AGGGCAGCTTGCCCGGCCCGGCCAGCCAGAGTTCCTGCGGAGTGAAGAGGGGCAGCCCTTGCTTG
TTGGGATCTGACCCAGGCCGAGCTCTGCCCTTCCCTGTCCCTCTAAAGCAATAATGGTCCCATCC
AGGCAGTCGGGGCTGGCTAGGAGATATCTGAGGGAGGAGCCACCTCTCCAAGGGCTTCTGCACCT
CCACCCTGTCCCAGCTCTGGTGAAGTCTTGGCGCAGCAGCCATCATAGGAAGGACCAAGGCAAGGC
AGGTGCCTCCAGTGTGACGTGGCATGTGGCCTGTGGCCTGTGTCCATGACCCACCCCTGTGCTCCG
TGCTCCACCACCACTGGCCACCAGGCTGGCGCAGCCAAGGCCGAAGCTCTGGCTGAACCTGTGCTGG
TGTCTGACCACCTCCCTCTCTTGCACCCGCCTCTCCCGTCAGGGCCCAAGTCCCTGTTTTCTGAGC
CCGGGCTGCCTGGGCTGTTGGCACTCACAGACCTGGAGCCCTGGGTGGTGGTGGGAGGGGCGCTGG
CCCAGCCGGCCTCTTGGCCTCCACCCGATGTGCTTTCCCTGTGGGGATCTCAGGGGCTGTTTGAG
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AGGTGTGGGGCTGCAGCATGTTGCTGAGGAGTGAGGAATAGTTGAGCCCAAGTCTGAAGAGGGCGG
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GAGCCCCCAACACTGTGCCCTGGTGGAGAAAGCACTGACCTGTGATGCCCCCTCAAACCTCCTCTT
CTGACGTGCCTTTTGCACCCCTCCATTAGGACAATCAGTCCCCTCCATCTGGGAGTCCCCTTTTCTT
TTCTACCTAGCCATTCTGGTACCCAGCCATCTGCCAGGGGTGCCCTCCTCTCCATCCCCCTGC
CCTCGTGGCCAGCCGGCTGGTTTTGTAAGATGCTGGGTGGTGCACAGTGATTTTTTTCTGTAATTT
AAACAGGCCAGCATTGCTGGTTCTATTTAATGGACATGAGATAATGTTAGAGGTTTTAAAGTGATTAA
ACGTGCAGACTATGCAAACCAG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002569.4](#)

Summary:

This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. It encodes a type 1 membrane bound protease that is expressed in many tissues, including neuroendocrine, liver, gut, and brain. The encoded protein undergoes an initial autocatalytic processing event in the ER and then sorts to the trans-Golgi network through endosomes where a second autocatalytic event takes place and the catalytic activity is acquired. Like other members of this convertase family, the product of this gene specifically cleaves substrates at single or paired basic residues. Some of its substrates include parathyroid hormone, transforming growth factor beta 1 precursor, proalbumin, pro-beta-secretase, membrane type-1 matrix metalloproteinase, beta subunit of pro-nerve growth factor and von Willebrand factor. It is thought to be one of the proteases responsible for the activation of HIV envelope glycoproteins gp160 and gp140, and may play a role in tumor progression. Unlike SARS-CoV and other coronaviruses, the spike protein of SARS-CoV-2 is thought to be uniquely cleaved by this protease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2020]

Locus ID:

5045

MW:

59