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Product datasheet for SC204515

TTC35 (EMC2) (NM_014673) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TTC35 (EMC2) (NM_014673) Human 3' UTR Clone
Symbol:	TTC35
Synonyms:	KIAA0103; TTC35
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014673
Insert Size:	2000 bp

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Insert Sequence:

>SC204515 3'UTR clone of NM_014673
The sequence shown below is from the reference sequence of NM_014673. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTGGAAACATTGCAGATCACCCAGTCTTAAGGTTTCAAAAACTCTTTGACATTAGATTTCACAACTGCA
CAATTGAACTTATTGGCCTGTAACTTATTTACTAAATGCTCAGTGCTATTTATATACTACAGTAATTTT
CTGTTAAGAAGGCAGTTGTAAAGAATGTGTTTATATAAACCTAAAAATGCCTTTTACTGCTAAGTGGGG
AGATGGGGGAAATCCATGGAAGAGAGATTTAAGACTTATTGATTGTACATCAGTCTCTTCATATCACAT
ATACATGTATATATATAAAACTCTAATGTAGTATAACCTTGTTAAATAAACCATGATGATTTATTAAAC
TTGCATATGAAGATTCTAACTTCATTTTGTTATACTCACAGTGGATATATTGTTTAAGAACTCAGTTTC
TAGTTAACTCCTTACTGGTGATAGCAAAGTCACAGCATATGTAGCTGACCGAAGCAGATTATTTTGACT
TTGTTTATATTGTCGAATTGGATTTTGCTGTACATTCCAGTGGGCTATTTGAATTGTTTTATCTGCTGT
AATATCCTTCTGATGAATCTTGCTTAAAATATGTCATTCTCCAAAGTTCAGCAATATTTCTTTGTAAAA
TTTTTGTTTTGATATAGGACATAATTGAGATTTTTACATATAAAATGCCTTAAGATAAATATGTGTTAC
GACACTTTAACTTTTATGCAAGTTATATTTATTGAATCCTTTAATAGTAAATTACATGAAAGAATATTA
AAGAATCATAAAGAGTAGGGATTAAAGGGGTTGTAGTTATTTTTAATTTTGAAAAAAATAAGAAAATTA
AAACTATCCTTAGAAACAAAAATGTTAAAATTTTCCTATTCTATCATTACCTTAGTTAGAATTTTTTAT
TTTTCTCTTTTCATAATAAACAACCATTATGCTACCTTCAACAGTATTTGACATGTTTCAACAAAATAG
AAGAGACTTGAAAGTTAAATTTCATTTAGACACAAATCAGTTTTTAAAATAGCAACTGTTCACCGCAAA
TATTTATGGTATTTGTTTATAATAAATATATTTAAATTTATTTTTACTAAAAATATACAGAGGCATCTA
CAGACTTGTCATTGCTGCTTTGGACAAGTGGGGATTGTGGAGGAATTGACAATCTAGAAGTGTTTAGAA
AGAAAAGTATTGTCAATATCAGCTTCTTTTAACCTTTTGAATAGTTCTGCTAATAAATTATTCTCCATA
TCTAGTCTAATCTTTCATATTACAGTCATTTTCGTTTTATTCTGCCACGAGTAATAGGCAGCTGATTAA
TATATTCTGTGAAAGAACTCTTCTCATCTGAAGGTAATTCTCTACTAATCTTTATTACCACAAAGATCC
CGTCTTTGTACACATGAAATTAGTAACTGCATTTTCAACATGATGAACCATTTGAAATTTACATTTTCT
GTAAAGAAAATAGTGCCTGCACGTTGTTTCACTACCTTTTCCCCTTCAAACCTCCTCCCCGTCAGTCAC
TGGATTAGTGTTTACTCTAGCAATTATATTTGTGTAATAAGTAATTCAGTGCCTCTTATAGCTGTCTGC
CTTAGTTTCACTTTTTTTTTTTTTTTTTGAGACAGTCTCGTTCTGTCACCCAGGCTGGAGTGCAGTGA
CGTGATCGCAGCTCACTGCAACCTCCTCCCGGGTTCAAGCGATTCTTGTGCCTCAGCCTCTGAGTAGCT
GGGACTACAGGCATGTGCCACCATGCCTGGCTAATTTTGTATTTTTAGTAGAGATGGGGTTTCACCATG
TTGGCCAGGCTGGTCTGAAACTCCTGGCCTCAAGTGATCTACCCGCCTCAGCCTCCCGAAATGCTGGGA
TTACAGGCATGAGCCACTGAGCCTGGCCAGTATCACTTTATTTTTTCAAAATTTTAATAACTTCTTTCC
AAGATTTTATATTTGTTAAGCACATTGCCAATCCTTAGTTATTTATAAACTTCAACTTAAATGTACTG
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_014673.5

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Summary: Part of the endoplasmic reticulum membrane protein complex (EMC) that enables the energy-independent insertion into endoplasmic reticulum membranes of newly synthesized membrane proteins (PubMed:30415835, PubMed:29809151, PubMed:29242231, PubMed:32459176, PubMed:32439656). Preferentially accommodates proteins with transmembrane domains that are weakly hydrophobic or contain destabilizing features such as charged and aromatic residues (PubMed:30415835, PubMed:29809151, PubMed:29242231). Involved in the cotranslational insertion of multi-pass membrane proteins in which stop-transfer membrane-anchor sequences become ER membrane spanning helices (PubMed:30415835, PubMed:29809151). It is also required for the post-translational insertion of tail-anchored/TA proteins in endoplasmic reticulum membranes (PubMed:29809151, PubMed:29242231). By mediating the proper cotranslational insertion of N-terminal transmembrane domains in an N-exo topology, with translocated N-terminus in the lumen of the ER, controls the topology of multi-pass membrane proteins like the G protein-coupled receptors (PubMed:30415835). By regulating the insertion of various proteins in membranes, it is indirectly involved in many cellular processes (Probable). [UniProtKB/Swiss-Prot Function]

Locus ID: 9694

MW: 78

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