RNF114 cDNA Clone – E3 Ubiquitin-Protein Ligase RNF114

PRODUCT OVERVIEW

Product Name	RNF114, cDNA Clone
Full Product Name	RNF114
Product Gene Name	RNF114 cdna clone
Product Synonym Names	PSORS12; ZNF313
Sequence	Nucleotide Sequence: ATGGCGGCGC AACAGCGGGA CTGCGGGGGT GCTGCGCAGC TGGCGGGGCC GGCGGCGGAG GCTGACCCCC TAGGACGCTT CACGTGTCCC GTGTGCTTAG AGGTGTACGA GAAGCCGGTA CAGGTGCCCT GCGGACACGT CTTTTGCTCT GCATGCCTGC AGGAATGTCT GAAGCCGAAG AAGCCTGTCT GTGGGGTGTG TCGCAGCGCT CTGGCACCTG GCGTCCGAGC CGTGGAGCTC GAGCGGCAGA TCGAGAGCAC AGAGACTTCT TGCCATGGCT GCCGTAAGAA TTTCTTCCTG TCCAAGATCC GGTCCCACGT GGCTACTTGT TCCAAATACC AGAATTACAT CATGGAAGGT GTGAAGGCCA CCATTAAGGA TGCATCTCTT CAGCCAAGGA ATGTTCCAAA CCGTTACACC TTTCCTTGTC CTTACTGTCC TGAGAAGAAC TTTGATCAGG AAGGACTTGT GGAACACTGC AAATTATTCC ATAGCACGGA TACCAAATCT GTGGTTTGTC CGATATGTGC CTCGATGCCC TGGGGAGACC CCAACTACCG CAGCGCCAAC TTCAGAGAGC ACATCCAGCG CCGGCACCGG TTTTCTTATG ACACTTTTGT GGATTATGAT GTTGATGAAG AGGACATGAT GAATCAGGTG TTGCAGCGCT CCATCATCGA CCAGTGA Trans lation Sequence: MAAQQRDCGG AAQLAGPAAE ADPLGRFTCP VCLEVYEKPV QVPCGHVFCS ACLQECLKPK KPVCGVCRSA LAPGVRAVEL ERQIESTETS CHGCRKNFFL SKIRSHVATC SKYQNYIMEG VKATIKDASL QPRNVPNRYT FPCPYCPEKN FDQEGLVEHC KLFHSTDTKS VVCPICASMP WGDPNYRSAN FREHIQRRHR FSYDTFVDYD VDEEDMMNQV LQRSIIDQ
Form/Format	Lyophilized
Preparation and Storage	Store the plasmid at -20 degree C.
OMIM	612451
3D Structure	ModBase 3D Structure for Q9Y508
Species	Human
Chromosome Location	20q13.13
OMIM Reference Number	612451
cDNA Size	687bp
Vector Description	This shuttle vector contains the complete ORF. It is inseted BamH I to Hind III. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.
Vector	(puc19-derived cloning vector)
Preparation Before Usage	1. Centrifuge at 7000rpm for 1 minute. 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.
Product Categories/Family for RNF114 cdna clone	Epigenomics (Transcription & Translation)
Related Product Information for RNF114 cdna clone	RNF114 contains 1 RING-type zinc finger. The protein is expressed in numerous tissues, including skin, CD4 lymphocytes and dendritic cells. It may play a role in spermatogenesis.
Other Notes	Small volumes of RNF114 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for RNF114 purchase	MBS200560 is a cDNA clone targeting RNF114.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RNF114. It may not necessarily be applicable to this product.

NCBI GI #	8923898
NCBI GeneID	55905
NCBI Accession #	NP_061153.1
UniProt Primary Accession #	Q9Y508
UniProt Related Accession #	Q9Y508
GenBank Nucleotide #	NM_018683.3
NCBI Official Full Name	E3 ubiquitin-protein ligase RNF114
NCBI Official Synonym Full Names	ring finger protein 114
NCBI Official Symbol	RNF114
NCBI Official Synonym Symbols	ZNF313; PSORS12
UniProt Protein Name	E3 ubiquitin-protein ligase RNF114
UniProt Synonym Protein Names	RING finger protein 114; Zinc finger protein 228; Zinc finger protein 313
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	RNF114
UniProt Synonym Gene Names	ZNF228; ZNF313
UniProt Entry Name	RN114_HUMAN
NCBI Protein Information	E3 ubiquitin-protein ligase RNF114
UniProt Comments for RNF114	ZNF313: May play a role in spermatogenesis. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin conjugating system; Transcription factor; Ubiquitin ligase Chromosomal Location of Human Ortholog: 20q13.13 Cellular Component: cytoplasm; intracellular; nucleus Molecular Function: zinc ion binding; ligase activity Biological Process: multicellular organismal development; protein ubiquitination; spermatogenesis; cell differentiation
Research Articles on RNF114	**1.** RNF114 is a new partner of A2O involved in the regulation of NF-kappaB activity that contributes to the control of signaling pathways modulating T cell-mediated immune response.
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