IL16 cDNA Clone – Interleukin 16 (Lymphocyte Chemoattractant Factor) (Human)

PRODUCT OVERVIEW

Product Name	IL16, cDNA Clone
Full Product Name	IL16 cDNA Clone
Product Gene Name	IL16 cdna clone
Sequence	atggagtcgc acagccgcgc tggaaagagc agaaaatctg caaaatttcg gtccatctcc aggtccctga tgctctgtaa tgctaagacc agtgatgatg gctctagccc tgatgagaaa tatcctgatc cctttgagat ttccttggcc cagggcaagg agggaatttt ccactcatct gtgcagctgg cagacacatc ggaggctggg cccagcagtg ttcctgatct agcactggcc tcggaggctg ctcaactcca agcagctggg aatgatcgag gcaagacctg taggaggata ttcttcatga aggaatcttc cacagcttcc tctcgagaaa agcctggaaa actagaagca caaagtagta acttcctgtt tcctaaagcc tgccaccaaa gggcacgcag caactcaacc agtgttaatc cctattgcac aagagaaatt gattttccaa tgaccaagaa atctgcagcg cccacggaca ggcagcctta ctctctctgc agtaacagga agtccctctc tcaacaattg gactgtccag caggaaaggc tgcgggaact tcgagaccaa cacggtccct gagcacagct cagctcgtgc agccatctgg gggcctccag gcttcagtca tctccaacat cgtgctgatg aagggccagg ctaagggtct gggcttcagc atcgttgggg gaaaagacag catttatggc cccattggga tttacgtcaa aaccattttt gcagggggag cagcagcagc cgatggaagg ctacaggaag gtgatgaaat tctggagctc aatggtgaat caatggctgg actaacacat caggatgctt tgcagaagtt caagcaagcc aaaaaggggc tcctcaccct caccgtgaga acccgcctga cggcgcctcc ttccctgtgc agccacctgt ctcccccact gtgccgctcc ctgagctcca gcacttgtat caccaaggac agcagctcct tcgccttgga aagcccctcg gctcccatca gcaccgccaa gcccaattac agaatcatgg tggaggtttc tctgcagaaa gaggccggcg tgggcctggg catcggcctg tgcagcgttc cctacttcca atgcatctct ggcattttcg tccacacgct gtcaccagga tccgtggcgc acctggacgg acgtctccgg tgtggggacg agattgtgga aatcagtgat tcccctgtgc actgcctgac gctcaatgaa gtctacacga tcctgagtca ctgtgatccc ggtccagtct ccatcattgt tagccgacat ccagacccac agaaggaaga aatggaggct caggaggtta agtaa
Molecular Weight	59,345 Da
OMIM	603035
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IL16 cdna clone	MBS1271735 is a cDNA clone targeting IL16.
Other Notes	Small volumes of IL16 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL16. It may not necessarily be applicable to this product.

NCBI GI #	25955529
NCBI GeneID	3603
NCBI Accession #	BC040272
UniProt Secondary Accession #	Q16435; Q6VVE6; Q6ZMQ7; Q9UP18; A6NM20; A8MU65; B5TY35; B9EGR6; H3BVH5
UniProt Related Accession #	Q14005
NCBI Official Full Name	Homo sapiens interleukin 16 (lymphocyte chemoattractant factor), mRNA
NCBI Official Synonym Full Names	interleukin 16
NCBI Official Symbol	IL16
NCBI Official Synonym Symbols	LCF; NIL16; PRIL16; prIL-16

UniProt Protein Name	Pro-interleukin-16
UniProt Synonym Protein Names	Interleukin-16; IL-16
Protein Family	Pro-interleukin
UniProt Gene Name	IL16
UniProt Synonym Gene Names	IL-16; LCF
UniProt Entry Name	IL16_HUMAN
NCBI Protein Information	pro-interleukin-16
NCBI Summary for IL16	The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]
UniProt Comments for IL16	IL16: Interleukin-16 stimulates a migratory response in CD4+ lymphocytes, monocytes, and eosinophils. Primes CD4+ T-cells for IL-2 and IL-15 responsiveness. Also induces T-lymphocyte expression of interleukin 2 receptor. Ligand for CD4. 3 isoforms of the human protein are produced by alternative promoter. Protein type: DNA-binding; Motility/polarity/chemotaxis; Cytokine Chromosomal Location of Human Ortholog: 15q26.3 Cellular Component: cytoplasm; cytosol; extracellular region; nucleus; plasma membrane Biological Process: immune response
Research Articles on IL16	**1.** intrathyroidal production of IL-14 and IL-16 associated with the pathogenesis of autoimmune thyroid disease
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/cdna-clone/il16/1271735