# LCOR Peptide - C-Terminal Region Blocking Peptide

## PRODUCT OVERVIEW

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| **Product Name** | LCOR, Blocking Peptide |
| **Full Product Name** | LCOR Peptide - C-terminal region |
| **Product Gene Name** | LCOR blocking peptide |
| **Product Synonym Gene Name** | FLJ38026; KIAA1795; MLR2; RP11-175O19.1 |
| **Sequence** | EGDPGSKQPR KKRGRYRQYN SEILEEAISV VMSGKMSVSK AQSIYGIPHS |
| **Species Reactivity** | Human |
| **Form/Format** | Lyophilized powder |
| **Preparation and Storage** | Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles. |
| **Antibody/Peptide Pairs** | LCOR peptide (MBS3239474) is used for blocking the activity of LCOR antibody (MBS3214537) |
| **Molecular Weight** | 47kDa |
| **OMIM** | 607698 |
| **Product Categories/Family for LCOR blocking peptide** | Peptide |
| **Applications Tested/Suitable for LCOR blocking peptide** | Western Blot (WB) |
| **Related Product Information for LCOR blocking peptide** | This is a synthetic peptide designed for use in combination with anti-LCOR Antibody, made<br><br>Target Description: LCOR is a transcriptional corepressor widely expressed in fetal and adult tissues that is recruited to agonist-bound nuclear receptors through a single LxxLL motif, also referred to as a nuclear receptor (NR) box (Fernandes et al., 2003 [PubMed 12535528]). |
| **Other Notes** | Small volumes of LCOR blocking peptide 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 LCOR purchase** | MBS3239474 is a blocking peptide targeting LCOR. Also known as LCOR Peptide - C-terminal region. Reactive in Human. |

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 282847508 |
| **NCBI GeneID** | 84458 |
| **NCBI Accession #** | NP_115816 |
| **UniProt Primary Accession #** | Q96JN0 |
| **UniProt Related Accession #** | Q96JN0 |
| **GenBank Nucleotide #** | NM_032440 |
| **NCBI Official Full Name** | ligand-dependent corepressor isoform 1 |

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| **NCBI Official Synonym Full Names** | ligand dependent nuclear receptor corepressor |
| **NCBI Official Symbol** | LCOR |
| **NCBI Official Synonym Symbols** | MLR2; C10orf12 |
| **UniProt Protein Name** | Ligand-dependent corepressor |
| **UniProt Synonym Protein Names** | Mblk1-related protein 2 |
| **Protein Family** | Ligand-dependent corepressor |
| **UniProt Gene Name** | LCOR |
| **UniProt Synonym Gene Names** | KIAA1795; MLR2; LCoR |
| **UniProt Entry Name** | LCOR_HUMAN |
| **NCBI Protein Information** | ligand-dependent corepressor |
| **NCBI Summary for LCOR** | LCOR is a transcriptional corepressor widely expressed in fetal and adult tissues that is recruited to agonist-bound nuclear receptors through a single LxxLL motif, also referred to as a nuclear receptor (NR) box (Fernandes et al., 2003 [PubMed 12535528]).[supplied by OMIM, Mar 2008] |
| **UniProt Comments for LCOR** | LCOR: May act as transcription activator that binds DNA elements with the sequence 5'-CCCTATCGATCGATCTCTACCT-3'. Repressor of ligand-dependent transcription activation by target nuclear receptors. Repressor of ligand- dependent transcription activation by ESR1, ESR2, NR3C1, PGR, RARA, RARB, RARG, RXRA and VDR. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Nuclear receptor co-regulator<br><br>Chromosomal Location of Human Ortholog: 10q24<br><br>Cellular Component: nucleus<br><br>Molecular Function: DNA binding; transcription factor activity; transcription factor binding<br><br>Biological Process: transcription from RNA polymerase II promoter; negative regulation of transcription from RNA polymerase II promoter |
| **Research Articles on LCOR** | **1.** Taken together, these results provide new insights into the mechanism of action of LCoR and RIP140 and highlight their strong interplay for the control of gene expression and cell proliferation in breast cancer cells. |
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