Nuclear Receptor Coactivator 5 (NCOA5) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nuclear receptor coactivator 5 (Ncoa5), Recombinant Protein
Full Product Name	Recombinant Mouse Nuclear receptor coactivator 5 (Ncoa5)
Product Gene Name	Ncoa5 recombinant protein
Product Synonym Gene Name	Ncoa5
Sequence	MNTAPSRPSP TRRDPYSFGD SRDTRRDRSP IRGSPRREPR DGRNGRDARD SRDIRDPRDL RDRRDSRDIR DHRDSRSVRE ARDLRDFRDF RDLRDSRDFR DHRDPVYDRY RDIRDSRDPL YRREGSYDRY LRVDDYCRRK DDSYFDRYRD SFDGRGPPGP ESQSRAKERL KREERRREEL YRRYFEEIQR RFDAERPVDC SVIVVNKQTK DYAESVGRKV RDLGMVVDLI FLNTEVSLSQ ALEDVSRGGS PFAIVITQQH QIHRSCTVNI MFGTPQEHRN MPQADAMVLV ARNYERYKND CREKEREEIA RQAAKMANDA ILQERDRGGP EEGGRGGHPP AIQSLINLLA DNRYLTAEET DKIINYLRER KERLLRSSAD SLPGPISRQP LGAASGSSLK SQPSSQPLQS GQVLPSATPT PAAPPTSQQE LQAKILSLFN SGAVAANSSS ASPSVATGSS QNQNFSTAAN SQPQQRPQAS GNQPPNIVGQ AGSARNMGPR PGAPSQGLFG QPSSRLAPAS TMASQRPVSS TGINFDNPSV QKALDTLIQS GPALSHLVSQ TAAQVGRPQA PMGSYQRHY
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	65,319 Da
Sequence Positions	1-579, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q91W39
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ncoa5 recombinant protein	This gene encodes a coregulator for the alpha and beta estrogen receptors and the orphan nuclear receptor NR1D2. The protein localizes to the nucleus, and is thought to have both coactivator and corepressor functions. Its interaction with nuclear receptors is independent of the AF2 domain on the receptors, which is known to regulate interaction with other coreceptors. Two alternatively spliced transcript variants for this gene have been described. However, the full length nature of one of the variants has not been determined.
Other Notes	Small volumes of Ncoa5 recombinant protein 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 Ncoa5 purchase	MBS1471255 is a recombinant protein targeting Ncoa5. Also known as Recombinant Mouse Nuclear receptor coactivator 5 (Ncoa5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ncoa5. It may not necessarily be applicable to this product.

NCBI GI #	21450271
NCBI GeneID	228869
NCBI Accession #	NP_659141.1
UniProt Primary Accession #	Q91W39
UniProt Secondary Accession #	A2A5L2
UniProt Related Accession #	Q91W39
GenBank Nucleotide #	NM_144892.1
NCBI Official Full Name	nuclear receptor coactivator 5
NCBI Official Synonym Full Names	nuclear receptor coactivator 5
NCBI Official Symbol	Ncoa5
NCBI Official Synonym Symbols	CIA
UniProt Protein Name	Nuclear receptor coactivator 5
UniProt Synonym Protein Names	Coactivator independent of AF-2; CIA
Protein Family	Nuclear receptor coactivator
UniProt Gene Name	Ncoa5
UniProt Synonym Gene Names	NCoA-5; CIA
NCBI Protein Information	nuclear receptor coactivator 5
UniProt Comments for Ncoa5	Nuclear receptor coregulator that can have both coactivator and corepressor functions. Interacts with nuclear receptors for steroids (ESR1 and ESR2) independently of the steroid binding domain (AF-2) of the ESR receptors, and with the orphan nuclear receptor NR1D2. Involved in the coactivation of nuclear steroid receptors (ER) as well as the corepression of MYC in response to 17-beta-estradiol (E2) ().
Research Articles on Ncoa5	**1.** NCOA5 functions as an LXR corepressor.A central role for NCOA5 in mediating crosstalk between pro-inflammatory and anti-inflammatory pathways that results in repression of macrophage cholesterol efflux.
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