Actin-Related Protein 5 (ACTR5) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Actin-related protein 5 (ACTR5), Recombinant Protein
Full Product Name	Recombinant Human Actin-related protein 5 (ACTR5)
Product Gene Name	ACTR5 recombinant protein
Product Synonym Gene Name	ACTR5
Sequence	MAANVFPFRD ARAAPDPVLE AGPVAHGPLP VPLVLDNGSF QVRAGWACPG QDPGPEPRLQ FRAVCARGRG GARGASGPQV GNALGSLEPL RWMLRSPFDR NVPVNLELQE LLLDYSFQHL GVSSQGCVDH PIVLTEAVCN PLYSRQMMSE LLFECYGIPK VAYGIDSLFS FYHNKPKNSM CSGLIISSGY QCTHVLPILE GRLDAKNCKR INLGGSQAAG YLQRLLQLKY PGHLAAITLS RMEEILHEHS YIAEDYVEEL HKWRCPDYYE NNVHKMQLPF SSKLLGSTLT SEEKQERRQQ QLRRLQELNA RRREEKLQLD QERLDRLLYV QELLEDGQMD QFHKALIELN MDSPEELQSY IQKLSIAVEQ AKQKILQAEV NLEVDVVDSK PETPDLEQLE PSLEDVESMN DFDPLFSEET PGVEKPVTTV QPVFNLAAYH QLFVGTERIR APEIIFQPSL IGEEQAGIAE TLQYILDRYP KDIQEMLVQN VFLTGGNTMY PGMKARMEKE LLEMRPFRSS FQVQLASNPV LDAWYGARDW ALNHLDDNEV WITRKEYEEK GGEYLKEHCA SNIYVPIRLP KQASRSSDAQ ASSKGSAAGG GGAGEQA
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	68,297 Da
Sequence Positions	1-607, 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 Q9H9F9
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ACTR5 recombinant protein	MBS1406544 is a recombinant protein targeting ACTR5. Also known as Recombinant Human Actin-related protein 5 (ACTR5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ACTR5 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACTR5. It may not necessarily be applicable to this product.

NCBI GI #	151301041
NCBI GeneID	79913

NCBI Accession #	NP_079131.3
UniProt Primary Accession #	Q9H9F9
UniProt Secondary Accession #	Q86WF7; Q8IUY5; Q8N724; Q9BRN0; Q9BVB7
UniProt Related Accession #	Q9H9F9
GenBank Nucleotide #	NM_024855.3
NCBI Official Full Name	actin-related protein 5
NCBI Official Synonym Full Names	ARP5 actin related protein 5 homolog
NCBI Official Symbol	ACTR5
NCBI Official Synonym Symbols	Arp5; INO80M
UniProt Protein Name	Actin-related protein 5
UniProt Synonym Protein Names	Sarcoma antigen NY-SAR-16
UniProt Gene Name	ACTR5
UniProt Synonym Gene Names	ARP5; hARP5
NCBI Protein Information	actin-related protein 5
UniProt Comments for ACTR5	Proposed core component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair. Involved in DNA double-strand break repair and UV-damage excision repair.
Research Articles on ACTR5	**1.** Arp5 is a key regulator of Myocd activity.
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