Ribonuclease H2 Subunit C (RNASEH2C) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribonuclease H2 subunit C (RNASEH2C), Recombinant Protein
Full Product Name	Recombinant Human Ribonuclease H2 subunit C (RNASEH2C)
Product Gene Name	RNASEH2C recombinant protein
Product Synonym Gene Name	RNASEH2C
Sequence	MESGDEAAIE RHRVHLRSAT LRDAVPATLH LLPCEVAVDG PAPVGRFFTP AIRQGPEGLE VSFRGRCLRG EEVAVPPGLV GYVMVTEEKK VSMGKPDPLR DSGTDDQEEE PLERDFDRFI GATANFSRFT LWGLETIPGP DAKVRGALTW PSLAAAIHAQ VPED
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	17,840 Da
Sequence Positions	1-164, 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.
OMIM	610329
3D Structure	ModBase 3D Structure for Q8TDP1
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RNASEH2C recombinant protein	This gene encodes a ribonuclease H subunit that can cleave ribonucleotides from RNA:DNA duplexes. Mutations in this gene cause Aicardi-Goutieres syndrome-3, a disease that causes severe neurologic dysfunction. A pseudogene for this gene has been identified on chromosome Y, near the sex determining region Y (SRY) gene.
Other Notes	Small volumes of RNASEH2C 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 RNASEH2C purchase	MBS1280773 is a recombinant protein targeting RNASEH2C. Also known as Recombinant Human Ribonuclease H2 subunit C (RNASEH2C). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RNASEH2C. It may not necessarily be applicable to this product.

NCBI GI #	38176285
NCBI GeneID	84153

NCBI Accession #	NP_115569.2
UniProt Primary Accession #	Q8TDP1
UniProt Secondary Accession #	Q9H7F5
UniProt Related Accession #	Q8TDP1
GenBank Nucleotide #	NM_032193.3
NCBI Official Full Name	ribonuclease H2 subunit C
NCBI Official Synonym Full Names	ribonuclease H2 subunit C
NCBI Official Symbol	RNASEH2C
NCBI Official Synonym Symbols	AGS3; AYP1
UniProt Protein Name	Ribonuclease H2 subunit C
UniProt Synonym Protein Names	Aicardi-Goutieres syndrome 3 protein; AGS3; RNase H1 small subunit; Ribonuclease HI subunit C
Protein Family	Ribonuclease
UniProt Gene Name	RNASEH2C
UniProt Synonym Gene Names	AYP1; RNase H2 subunit C; AGS3
NCBI Protein Information	ribonuclease H2 subunit C
UniProt Comments for RNASEH2C	Non catalytic subunit of RNase H2, an endonuclease that specifically degrades the RNA of RNA:DNA hybrids. Participates in DNA replication, possibly by mediating the removal of lagging-strand Okazaki fragment RNA primers during DNA replication. Mediates the excision of single ribonucleotides from DNA:RNA duplexes.
Research Articles on RNASEH2C	**1.** This study reviewed that Neurologic Phenotypes Associated with Mutations in RNASEH2C in patients with Aicardi-Goutieres Syndrome.
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