Aspartoacylase-2 (ACY3) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Aspartoacylase-2 (ACY3), Recombinant Protein
Full Product Name	Recombinant Human Aspartoacylase-2 (ACY3)
Product Gene Name	ACY3 recombinant protein
Product Synonym Gene Name	ACY3
Sequence	MCSLPVPREP LRRVAVTGGT HGNEMSGVYL ARHWLHAPAE LQRASFSAVP VLANPAATSG CRRYVDHDLN RTFTSSFLNS RPTPDDPYEV TRARELNQLL GPKASGQAFD FVLDLHNTTA NMGTCLIAKS SHEVFAMHLC RHLQLQYPEL SCQVFLYQRS GEESYNLDSV AKNGLGLELG PQPQGVLRAD IFSRMRTLVA TVLDFIELFN QGTAFPAFEM EAYRPVGVVD FPRTEAGHLA GTVHPQLQDR DFQPLQPGAP IFQMFSGEDL LYEGESTVYP VFINEAAYYE KGVAFVQTEK FTFTVPAMPA LTPAPSPAS
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	35,241 Da
Sequence Positions	1-319, 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	614413
3D Structure	ModBase 3D Structure for Q96HD9
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ACY3 recombinant protein	MBS1371359 is a recombinant protein targeting ACY3. Also known as Recombinant Human Aspartoacylase-2 (ACY3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ACY3 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 ACY3. It may not necessarily be applicable to this product.

NCBI GI #	18087825
NCBI GeneID	91703
NCBI Accession #	NP_542389.1
UniProt Primary Accession #	Q96HD9

UniProt Related Accession #	Q96HD9
GenBank Nucleotide #	NM_080658.1
NCBI Official Full Name	N-acyl-aromatic-L-amino acid amidohydrolase (carboxylate-forming)
NCBI Official Synonym Full Names	aminoacylase 3
NCBI Official Symbol	ACY3
NCBI Official Synonym Symbols	ACY-3; HCBP1
UniProt Protein Name	N-acyl-aromatic-L-amino acid amidohydrolase (carboxylate-forming)
UniProt Synonym Protein Names	Acylase III; Aminoacylase-3; ACY-3; Aspartoacylase-2; Hepatitis C virus core-binding protein 1; HCBP1; HCV core-binding protein 1
Protein Family	N-acyl-aromatic-L-amino acid amidohydrolase
UniProt Gene Name	ACY3
UniProt Synonym Gene Names	ASPA2; ACY-3; HCBP1; HCV core-binding protein 1
NCBI Protein Information	N-acyl-aromatic-L-amino acid amidohydrolase (carboxylate-forming)
UniProt Comments for ACY3	Plays an important role in deacetylating mercapturic acids in kidney proximal tubules. Also acts on N-acetyl-aromatic amino acids ().
Research Articles on ACY3	**1.** Suggest that ACY3 is an HCV core binding protein, which may play a role in the development of HCV-associated diseases.
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