Active Breakpoint Cluster Region-Related Protein (ABR) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Active breakpoint cluster region-related protein (ABR), Recombinant Protein
Full Product Name	Recombinant Human Active breakpoint cluster region-related protein (ABR) , partial
Product Gene Name	ABR recombinant protein
Product Synonym Gene Name	ABR
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	92,425 Da
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	600365
3D Structure	ModBase 3D Structure for Q12979
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ABR recombinant protein	This gene encodes a protein that is similar to the protein encoded by the breakpoint cluster region gene located on chromosome 22. This protein contains a GTPase-activating protein domain, a domain found in members of the Rho family of GTP-binding proteins. Functional studies in mice determined that this protein plays a role in vestibular morphogenesis, suggesting that Rho-related GTPases help coordinate motor skills and balance. Alternatively spliced transcript variants that encode different isoforms have been reported for this gene.
Other Notes	Small volumes of ABR 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 ABR purchase	MBS1438751 is a recombinant protein targeting ABR. Also known as Recombinant Human Active breakpoint cluster region-related protein (ABR) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	38679954
NCBI GeneID	29
NCBI Accession #	NP_001083.2
UniProt Primary Accession #	Q12979
UniProt Secondary Accession #	Q13693; Q13694; B3KW89; B7Z6H7; D3DTH3; D3DTH4; F5H3S2; F5H8B3

UniProt Related Accession #	Q12979
GenBank Nucleotide #	NM_001092.4
NCBI Official Full Name	active breakpoint cluster region-related protein isoform b
NCBI Official Synonym Full Names	ABR, RhoGEF and GTPase activating protein
NCBI Official Symbol	ABR
NCBI Official Synonym Symbols	MDB
UniProt Protein Name	Active breakpoint cluster region-related protein
Protein Family	Active breakpoint cluster region-related protein
UniProt Gene Name	ABR
NCBI Protein Information	active breakpoint cluster region-related protein
NCBI Summary for ABR	This gene encodes a protein that is similar to the protein encoded by the breakpoint cluster region gene located on chromosome 22. The protein encoded by this gene contains a GTPase-activating protein domain, a domain found in members of the Rho family of GTP-binding proteins. Functional studies in mice determined that this protein plays a role in vestibular morphogenesis. Alternatively spliced transcript variants have been reported for this gene. [provided by RefSeq, Feb 2012]
UniProt Comments for ABR	GTPase-activating protein for RAC and CDC42. Promotes the exchange of RAC or CDC42-bound GDP by GTP, thereby activating them.
Research Articles on ABR	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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