

Recombinant Human ACAD11

Catalog No: #GP10924



Package Size: #GP10924-1 100ug

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Description

Product Name	Recombinant Human ACAD11
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 121-400 amino acids of human acyl-CoA dehydrogenase family, member 11
Target Name	Acyl-CoA dehydrogenase family, member 11
Other Names	ACAD-11
Accession No.	Swissprot:Q709F0Gene Accession:BC125204
Uniprot	Q709F0
GenID	84129;
Storage	-20~-80°C, pH 7.6 PBS

Background

The deduced full-length ACAD11 protein contains an N-terminal aminoglycoside phosphotransferase domain, followed by a mitochondria localization signal and ACAD N-terminal, middle, and C-terminal domains. It also has a glycosylation site and a C-terminal peroxisome-targeting signal. The ACAD domain contains a catalytic aspartate rather than the catalytic glutamate found in most other ACADs. Real-time RT-PCR detected variable ACAD11 expression in all tissues examined, with highest expression in adult brain, followed by heart, liver, spinal cord, and kidney. Western blot analysis of fractionated human cerebellum and kidney revealed that ACAD11 associated with mitochondrial membranes, but not mitochondrial matrix. Immunohistochemical analysis showed that ACAD11 colocalized with a mitochondrial marker in human neuroblastoma cells.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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