

Recombinant Full Length Human AGK Protein, GST-tagged

Cat. No. AGK-6524HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human MULK full-length ORF (NP_060708.1, 1 a.a. - 422 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 422 amino acids

Description The protein encoded by this gene is a mitochondrial membrane protein involved in lipid and glycerolipid metabolism. The encoded protein is a lipid kinase that catalyzes the formation of phosphatidic and lysophosphatidic acids. Defects in this gene have been associated with mitochondrial DNA depletion syndrome 10. [provided by RefSeq, Feb 2012]

Molecular Mass 73.5 kDa

AA Sequence

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MTVFFKTLRNHWKKT TAGLCLLTWGGHWLYGKHCDNLLRRAACQEAQVFGNQLIP
PNAQVKKATVFLNPAACKGKARTLFEKNAAPILHLSGMDVTIVKTDYEGQAKLLEL
MENTDVII VAGGDGTLQE VVTGVLRRRTDEATFSKIPIGFIPLGETSSLSHTLFAESGNK
VQHITDATLAI VKGETVPLDVLQIKGEKEQPVFAMTGLRWGSFRDAGVKVSKYWYLG
PLKIKAAHFFSTLKEWPQTHQASISYTGPTERPPNEPEETPVQRPSLYRRILRRLASY
WAQPQDALSQEV SPEVWKDVQLSTIELSITRNNQLDPTS KEDFLNICIEPDTISKGD
FITIGSRKVRNPKLHVEGTECLQASQCTLLIPEGAGGSFSIDSEEYEAMPVEVKLLPR
KLQFFCDPRKREQMLTSPTQ
    
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	AGK acylglycerol kinase [Homo sapiens]
Official Symbol	AGK
Synonyms	AGK; acylglycerol kinase; MULK, multiple substrate lipid kinase; acylglycerol kinase, mitochondrial; FLJ10842; hAGK; hsMuLK; multi-substrate lipid kinase; multiple substrate lipid kinase; MULK; MTDPS10;
Gene ID	55750
mRNA Refseq	NM_018238
Protein Refseq	NP_060708
MIM	610345
UniProt ID	Q53H12

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