

Recombinant Human AGAP2 Protein, GST-tagged

Cat. No. AGAP2-417H Lot. No. (See product label)

SPECIFICATION

Product Overview Human AGAP2 full-length ORF (AAH28020.1, 1 a.a. - 836 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

Description The protein encoded by this gene belongs to the centaurin gamma-like family. It mediates anti-apoptotic effects of nerve growth factor by activating nuclear phosphoinositide 3-kinase. It is overexpressed in cancer cells, and promotes cancer cell invasion. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Molecular Mass 116.9 kDa

AA Sequence

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MHAQRQFVVAAVRAEVRREHEVAKQALNRLRKLAEVDDPELQDSIQASLDSIREAVI
NSQEWTLRSIPELRLGVLGDARSGKSSLIHRFLTGSYQVLEKTESEYKKEMLVDG
QTHLVLIREEAGAPDAKFSGWADAVIFVFSLEDENSFQAVSRLHGQLSSLRGEGRG
GLALALVGTQDRISASSPRVVGDARARALCADMKRCSYYETCATYGLNVDRVFQEV
AQKVVTLRKQQQLLAACKSLPSSPSHSAASTPVAGQASNGGHTSDYSSSLPSSPNV
GHRELRAEAAVAGLSTPGSLHRAAKRRTSLFANRRGSDSEKRSLDSRGETTGSG
RAIPIKQSFLKRSNSLNKEWKKKYVTLSSNGFLLYHPSINDYIHSTHGKEMDLLRT
TVKVPGKRPPRAISAFGPSASINGLVKDMSTVQMGEGLEATTPMPSPSPSPSSLQP
PPDQTSKHLLKPDRNLARALSTDCTPSGDLSPSREPPSPMVKKQRRKLTTPSK
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TEGSAGQAEENFEFLIVSSTGQTWHFEEAASFEERDAWVQAIESQILASLQCESSK
 VKLRDTSQSEAVAIQAIRNAKGNSICVDCGAPNPTWASLNLGALICIECSGIHRNLGT
 HLSRVRSLLDDWPRELTLVLTAIGNDTANRVWESDTRGRAKPSRDSSREERESWI
 RAKYEQLLFLAPLSTSEEPLGRQLWAAVQAQDVATVLLLLAHARHGPLDTSVEDPQL
 RSPLHLAAELAHVVITQLLLWYGADVAARDAQGRTALFYARQAGSQLCADILLQHGC
 PEGGSAATTPSAATTPSITATPSPRRRSSAASVGRADAPVALV

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 -80centigrade. 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	AGAP2 ArfGAP with GTPase domain, ankyrin repeat and PH domain 2 [Homo sapiens]
Official Symbol	AGAP2
Synonyms	AGAP2; ArfGAP with GTPase domain, ankyrin repeat and PH domain 2; centaurin, gamma 1, CENTG1; arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2; cnt-g1; centaurin, gamma 1; phosphoinositide 3-kinase enhancer; phosphatidylinositol 3-kinase enhancer; phosphatidylinositol-3-kinase enhancer; GTP-binding and GTPase activating protein 2; Arf GAP with GTP-binding protein-like, ANK repeat and PH domains 2; PIKE; GGAP2; CENTG1; FLJ16430; KIAA0167;

Gene ID 116986

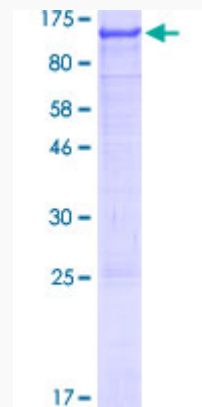
mRNA Refseq NM_001122772

Protein Refseq NP_001116244

MIM 605476

UniProt ID Q99490

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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