

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	MHAQRQFVVAAVRAEVRREHEVAKQALNRLRKLAEVDDPELQDSIQASLDSIREAVI NSQEWTLRSIPELRLGVLGDARSGKSSLIHRFLTGSYQVLEKTESEQYKKEMLVLDG QTHLVLIREEAGAPDAKFSGWADAVIFVFSLEDENSFQAVSRLHGYLSSLRGEGRG GLALALVGTQDRISASSPRVVGDAARALCADMKRCSYYETCATYGLNVDRVFQEV AQKVVTLRKQQQLLAACKSLPSSPSHSAASTPVAGQASNGGHTSDYSSSLPSSPNV GHRELRAEAAVAGLSTPGSLHRAAKRRTSLFANRRGSDSEKRSLSRGETTGSG RAPIKQSFLKRSNGSLNKEWKKKYVTLSNGFLLYHPSINDYIHSTHGKEMDLLRT TVKVPGRPPRAISAFGPSASINGLVKDMSTVQMGEGLEATTPMPSPSPSPSSLQP PPDQTSKHLLKPDRNLARALSTDCTPSGDLSPSREPPPSPMVKKQRRKKLTTPSK

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TEGSAGQAEENFEFLIVSSTGQTWHFEEAASFEERDAWVQAIESQILASLQCCESK
 VKLRDTSQSEAVAIQAIRNAKGNVICVDCGAPNPTWASNLGALICIECSGIHRNLGT
 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

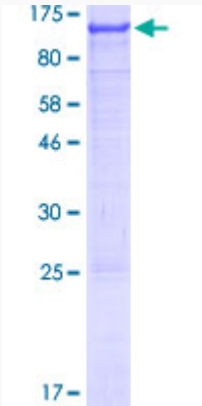
Synonyms

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;

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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.