Recombinant Full Length Human ARHGAP11A Protein, GST-tagged

Cat. No. ARHGAP11A-1146HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARHGAP11A full-length ORF (AAH63444.1 , 1 a.a. - 501 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	501 amino acids
Description	This gene encodes a member of the Rho GTPase activating protein family. In response to DNA damage, the encoded protein interacts with the p53 tumor suppressor protein and stimulates its tetramerization, which results in cell-cycle arrest and apoptosis. A chromosomal deletion that includes this gene is one cause of Prader-Willi syndrome, and an intronic variant of this gene may be associated with sleep duration in children. This gene is highly expressed in colon cancers and in a human basal-like breast cancer cell line. [provided by RefSeq, Sep 2016]
Molecular Mass	81.51 kDa
AA Sequence	MWDQRLVRLA LLQHLRAFYG IKVKGVRGQC DRRRHETAAT EIGGKIFGVP FNALPHSAVP EYGHIPSFLV DACTSLEDHI HTEGLFRKSG SVIRLKALKN KVDHGEGCLS SAPPCDIAGL LKQFFRELPE PILPADLHEA LLKAQQLGTE EKNKATLLLS CLLADHTVHV LRYFFNFLRN VSLRSSENKM DSSNLAVIFA PNLLQTSEGH EKMSSNTEKK LRLQAAVVQT LIDYASDIGR VPDFILEKIP

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	AMLGIDGLCA TPSLEGFEEG EYETPGEYKR KRRQSVGDFV SGALNKFKPN RTPSITPQEE RIAQLSESPV ILTPNAKRTL PVDSSHGFSS KKRKSIKHNF NFELLPSNLF NSSSTPVSVH IDTSSEGSSQ SSLSPVLIGG NHLITAGVPR RSKRIAGKKV CRVESGKAGC FSPKISHKEK VRRSLRLKFN LGKNGREVNG CSGVNRYESV GWRLANQQSL KNRIESVKTG LLFSPDVDEK LPKKGTFTYY C
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
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	ARHGAP11A Rho GTPase activating protein 11A [Homo sapiens]
Official Symbol	ARHGAP11A
Synonyms	ARHGAP11A; Rho GTPase activating protein 11A; rho GTPase-activating protein 11A; GAP (1 12); KIAA0013; GAP (1-12); rho-type GTPase-activating protein 11A; MGC70740
Gene ID	9824
mRNA Refseq	NM_014783
Protein Refseq	NP_055598
MIM	610589

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UniProt ID	Q6P4F7

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