

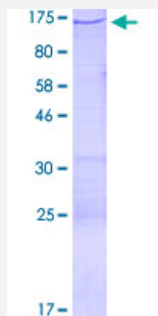
Full-Length

ARAP1 (Human) Recombinant Protein (P01)

Catalog # H00116985-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ARAP1 full-length ORF (NP_631920.1, 1 a.a. - 1205 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTKKEEPPPSRVPRAVRVASLLSEGEELSGDDQGDEEEDDHAYEGVPNGGWHTSSLSLSLPST
IAAPHPMDGPPGGSTPVPVIAKAGWLDKNPPQGSYYQKRWVRLDTHLRYFDSNKKDAYSKRFIS
VACISHVAAIGDQKFEVITNNRTFAFRAESDVERKEWMQALQQAMAEQRARARLSSAYLLGVPG
SEQPDRAQSLELRGFKNKLYVAVVGDKVQLYKNLEEYHLGIGITFIDMSVGNVKEVDRRSFDLTTP
YRIFSFSADSELEKEQWLEAMQGAIEALSTSEVAERIWAAAPNRFACDCGAPQPDWASINLCV
VICKRCAGEHRGLGAGVSKVRSLKMDRKVWTELTIELFLQLGNGAGNRFWAANVPPSEALQPSS
SPSTRRCHLEAKYREGKYRRYHPLFGNQEELDKALCAAVTTTDLAETQALLGCGAGINCFSGDPE
APTPLALAEQAGQTLQMEFLRNNRTTEVPRLDSMKPLEKHYSVVLPTVSHSGFLYKTASAGKLLQ
DRRAREEFSSRWCVLGDGVLSYFENERAVTPNGEIRASEIVCLAVPPPDTHGFEHTFEVYTEGER
LYLFGLESAEQAHWVKCIAKAFVPLAEDLLARDFERLGRLPYKAGLSLQRAQEGWFSLSGSE
LRAVFPEGPCEEPLQLRKLQELSIQGDSENQVLVVERRRTL YQGERRLD FMGWLGAIQKAAAS
MGDTLSEQQLGDS DIPVIVRCVDYITQCGLTSEGIYRKCGQTSKTQRLLLES LRQDARSVHLKEGE
QHVDVSSALKRFLRDL PDGLFTRAQRLTWLEASEIEDEEEKVSRYRELLVRLPPVNRATVKALIS
HLYCVQCFSDTNQMN VHNLAIFGPTLFQTDGQDYKAGRVVEDLINHYVVVFSVDEEELRKQREE
ITAVKMRVAGTASGTQHAGDFICTVYLEEKKAETE QHIKVPASMTAEELTLEILDRRNVGIREKDYW
TCFEVNEREEAERPLHFAEKVLPILHGLGTD SHLVVKKHQAMEAMLLYLASRVGDTKHGMMKFR
EDRSLGLGLPSGGFHDRYFILNSSCLRLYKEVRSQRPWSGAPETSHRPEKEWPIKSLKVYLGVK
KKLRPPTCWGFTVVHETEKHEKQQWYLCCDTQMELEWFA TFLFVQHDGLVWPSEPSRVSRA
VPEVRLGSVSLIPLRGSENMRRSVA AFTADPLSLLRN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)	162.2
Interspecies Antigen Sequence	Mouse (91); Rat (91)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ARAP1

Entrez GeneID	116985
GeneBank Accession#	NM_139181.2
Protein Accession#	NP_631920.1
Gene Name	ARAP1
Gene Alias	CENTD2, KIAA0782
Gene Description	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1
Omim ID	606646
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene contains SAM, ARF-GAP, RHO-GAP, ankyrin repeat, RAS-associating, and pleckstrin homology (PH) domains. In vitro, this protein displays RHO-GAP and phosphatidylinositol (3,4,5) trisphosphate (PIP3)-dependent ARF-GAP activity. The encoded protein associates with the Golgi, and the ARF-GAP activity mediates changes in the Golgi and the formation of filopodia. It is thought to regulate the cell-specific trafficking of a receptor protein involved in apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

ARF-GAP, RHO-GAP, ankyrin repeat, and pleckstrin homology domains-containing protein 1|centaurin, delta 2

Pathway

- [Endocytosis](#)