

Recombinant Human IQGAP1 protein, GST-tagged

Cat. No. IQGAP1-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IQGAP1(611 a.a. - 710 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	611-710 a.a.
Description	This gene encodes a member of the IQGAP family. The protein contains four IQ domains, one calponin homology domain, one Ras-GAP domain and one WW domain. It interacts with components of the cytoskeleton, with cell adhesion molecules, and with several signaling molecules to regulate cell morphology and motility. Expression of the protein is upregulated by gene amplification in two gastric cancer cell lines.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.74 kDa
AA Sequence	WQSNKDTQEAQKFALGIFAINAEVESGDVGKTLSPDVGLYGVIEPCGETYHSD LAEAKKKKLAVGDNNSKW VKHWVKGGYYYYHNLETQEGGWDEP
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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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.
GENE INFORMATION	
Gene Name	IQGAP1 IQ motif containing GTPase activating protein 1 [Homo sapiens]
Official Symbol	IQGAP1
Synonyms	IQGAP1; IQ motif containing GTPase activating protein 1; ras GTPase-activating-like protein IQGAP1; HUMORFA01; KIAA0051; p195; RasGAP like with IQ motifs; SAR1; RasGAP-like with IQ motifs;
Gene ID	8826
mRNA Refseq	NM_003870
Protein Refseq	NP_003861
MIM	603379
UniProt ID	P46940
Chromosome Location	15q26.1
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; C-MYB transcription factor network, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; E-cadherin signaling in the nascent adherens junction, organism-

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specific biosystem; ErbB1 downstream signaling, organism-specific biosystem;

Function

GTPase activator activity; GTPase inhibitor activity; Rac GTPase binding; Ras
GTPase activator activity; calmodulin binding; protein binding; protein phosphatase
binding;

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