

ARHGEF3 (Human) Recombinant Protein (Q01)

Catalog # : H00050650-Q01

規格 : [10 ug] [25 ug]

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Specification

Product Description: Human ARHGEF3 partial ORF (NP_062455, 33 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence: EPSNKRVKPLSRVTSANLIPPVKATPLKRFSQTLQRSISFRSESRPDILA
PRPWSRNAAPSSTKRRDSKLWSETFDVCVNQMLTSKEIKRQEAFELSQ
GEEDLIEDLK

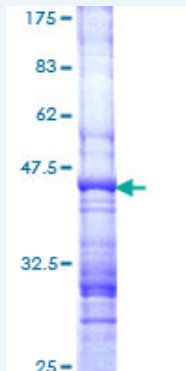
Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 37.84

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.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Enzyme-linked Immunoabsorbent Assay

Western Blot (Recombinant protein)

Antibody Production

Application Image

Enzyme-linked
Immunoabsorbent Assay

Western Blot (Recombinant
protein)

Antibody Production

Protein Array

Protein Array

Gene Information

Entrez GeneID: [50650](#)

**GeneBank
Accession#:** [NM_019555](#)

**Protein
Accession#:** [NP_062455](#)

Gene Name: ARHGEF3

Gene Alias: DKFZp434F2429,FLJ98126,GEF3,MGC118905,STA3,XPLN

**Gene
Description:** Rho guanine nucleotide exchange factor (GEF) 3

Gene Ontology: [Hyperlink](#)

Gene Summary: Rho-like GTPases are involved in a variety of cellular processes, and they are activated by binding GTP and inactivated by conversion of GTP to GDP by their intrinsic GTPase activity. Guanine nucleotide exchange factors (GEFs) accelerate the GTPase activity of Rho GTPases by catalyzing their release of bound GDP. This gene encodes a guanine nucleotide exchange factor, which specifically activates two members of the Rho GTPase family: RHOA and RHOB, both of which have a role in bone cell biology. It has been identified that genetic variation in this gene plays a role in the determination of bone mineral density (BMD), indicating the implication of this gene in postmenopausal osteoporosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other
Designations:** 59.8 kDA protein,Rho guanine nucleotide exchange factor 3,RhoGEF protein,exchange factor found in platelets and leukemic and neuronal tissues, XPLN

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[Osteoporosis Osteoporosis, Postmenopausal Tobacco Use Disorder](#)

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