

ARHGEF3 抗原（重组蛋白）

中文名称：ARHGEF3 抗原（重组蛋白）

英文名称：ARHGEF3 Antigen (Recombinant Protein)

别名：GEF3; STA3; XPLN

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to N terminal 202 amino acids of human ARHGEF3

技术规格：

Full name:	Rho guanine nucleotide exchange factor (GEF) 3
Synonyms:	GEF3; STA3; XPLN
Swissprot:	Q9NR81
Gene Accession:	BC099715
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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.