

Recombinant Human GNAS, GST-tagged

Cat. No. GNAS-1264H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNAS protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	230-394aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	GNAS GNAS complex locus [Homo sapiens]
Official Symbol	GNAS
Synonyms	GNAS; GNAS complex locus; GNAS1, guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1; protein ALEX; GNASXL; GPSA; NESP; NESP55; SCG6; secretogranin VI; extra large alphas protein; neuroendocrine secretory protein; guanine nucleotide regulatory protein; alternative gene product

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	encoded by XL-exon; adenylate cyclase-stimulating G alpha protein; guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas; guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1; AHO; GSA; GSP; POH; GNAS1; PHP1A; PHP1B; PHP1C; C20orf45; MGC33735;
Gene ID	2778
mRNA Refseq	NM_000516
Protein Refseq	NP_000507
UniProt ID	O95467
Chromosome Location	20q13.2-q13.3
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Aquaporin-mediated transport, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem;
Function	G-protein beta/gamma-subunit complex binding; GTP binding; GTPase activity; GTPase activity; adenylate cyclase activity; guanyl nucleotide binding; guanyl-nucleotide exchange factor activity; ionotropic glutamate receptor binding; metal ion binding; molec