Recombinant Human FNTA, GST-tagged

Cat. No. FNTA-12959H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FNTA protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-348a.a.
Description	Prenyltransferases can attach either a farnesyl group or a geranylgeranyl group in thioether linkage to the cysteine residue of proteins with a C-terminal CAAX box. CAAX geranylgeranyltransferase and CAAX farnesyltransferase are heterodimers that share the same alpha subunit but have different beta subunits. This gene encodes the alpha subunit of these transferases. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 11 and 13.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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Gene Name	FNTA farnesyltransferase, CAAX box, alpha [Homo sapiens]
Official Symbol	FNTA
Synonyms	FNTA; farnesyltransferase, CAAX box, alpha; protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha; FPTA; PGGT1A; protein prenyltransferase alpha subunit repeat containing 2; PTAR2; FTase-alpha; GGTase-I-alpha; farnesyl-protein transferase alpha-subunit; ras proteins prenyltransferase subunit alpha; type I protein geranyl-geranyltransferase alpha subunit; MGC99680;
Gene ID	2339
mRNA Refseq	NM_002027
Protein Refseq	NP_002018
MIM	134635
UniProt ID	P49354
Chromosome Location	8p11.21
Pathway	Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem; Terpenoid backbone biosynthesis, organism-specific biosystem; Terpenoid backbone biosynthesis, conserved biosystem;
Function	CAAX-protein geranylgeranyltransferase activity; alpha-tubulin binding; microtubule

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	binding; protein binding; contributes_to protein farnesyltransferase activity; protein geranylgeranyltransferase activity; transferase activity;

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