

Recombinant Human FNTA cell lysate

Cat. No. FNTA-661HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Prenyltransferases 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 encoding different isoforms.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

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;

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