

# Recombinant Full Length Human FNTA Protein, GST-tagged

**Cat. No.** FNTA-5013HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human FNTA full-length ORF ( AAH17029, 1 a.a. - 379 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 379 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <p>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. [provided by RefSeq</p> |
| <b>Molecular Mass</b>   | 67.32 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MAATEGVGEAAQGGEPGQPAQPPPQPHPPPQQQHKEEMAAEAGEAVASPMDD<br>GFVSLDSPSYVLYRDRAEWADIDPVPQNDGPNPVVQIIYSDKFRDVYDYFRAVLQR<br>DERSERAFKLTRDAIELNAANYTVWHFRRVLLKSLQKDLHEEMNYITAIIEEQPKNYQ<br>VWHHRRVLVEWLRDPSQELEFIADILNQDAKNYHAWQHRQWVIQEFKLWDNELQY<br>VDQLLKEDVRNNSVWNQRYFVISNTTGYNDRAVLRETVQYTLEMILVPHNESAWN<br>YLGILQDRGLSKYPNLLNQLLDLQPSHSSPYLIAFLVDIYEDMLENQCDNKEDILNKA<br>LELCEILAKEKDTIRKEYWRYIGRSLQSKHSTENDSPTNVQQ                                                                                  |

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                  |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>        | FNTA farnesyltransferase, CAAX box, alpha [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b>  | FNTA                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>         | FNTA; farnesyltransferase, CAAX box, alpha; protein<br>farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha; FPTA; PGGT1A;<br>protein prenyltransferase alpha subunit repeat containing 2; PTAR2; FTase-alpha;<br>GGTase-I-alpha; farnesyl-protein transferase alpha-subunit; ras proteins<br>prenyltransferase subunit alpha; type I protein geranyl-geranyltransferase alpha<br>subunit; MGC99680; |
| <b>Gene ID</b>          | 2339                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_002027                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>   | NP_002018                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>              | 134635                                                                                                                                                                                                                                                                                                                                                                                                             |

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