

FNTA Protein, Human

Cat. No.:	HY-P701885
Synonyms:	FNTA; Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha; CAAX farnesyltransferase subunit alpha; FTase-alpha; Ras proteins prenyltransferase subunit alpha; Type I protein geranyl-geranyltransferase subunit alpha; GGTase-I-alpha
Species:	Human
Source:	E. coli
Accession:	P49354 (M1-Q379)
Gene ID:	2339
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	FNTA Protein serves as an essential subunit in both the farnesyltransferase and geranylgeranyltransferase complexes, playing a crucial role in transferring farnesyl or geranylgeranyl moieties to cysteine residues within proteins characterized by the C-terminal sequence Cys-aliphatic-aliphatic-X. This enzymatic activity contributes to the post-translational modification of various proteins. Moreover, FNTA may play a positive regulatory role in neuromuscular junction development, acting downstream of MUSK by facilitating the prenylation and activation of RAC1. This highlights the protein's involvement in cellular processes with broader implications for signaling and cellular structure.
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Caution: Product has not been fully validated for medical applications. For research use only.

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