



Recombinant Human Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha (FNTA)

Product Code	CSB-EP008777HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P49354
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AATEGVGEA AQQGEPGQPA QPPPQPHPPP PQQQHKEEMA AEAGEAVASP MDDGFVSLDS PSYVLYRDRA EWADIDPVPQ NDGPNPVVQI IYSDKFRDVY DYFRAVLQRD ERSERAFKLT RDAIELNAAN YTVWHFRRVL LKSLQKDLHE EMNYITAIIE EQPKNYQVWH HRRVLVEWLR DPSQELEFIA DILNQDAKNY HAWQHRQWVI QEFKLWDNEL QYVDQLLKED VRNNSVWNQR YFVISNTTGY NDRAVLEREV QYTLEMILV PHNESAWNYL KGILQDRGLS KYPNLLNQLL DLQPSHSSPY LIAFLVDIYE DMLENQCDNK EDILNKALEL CEILAKEKDT IRKEYWRYIG RSLQSKHSTE NDSPTNVQQ
Source	E.coli
Target Names	FNTA
Protein Names	Recommended name: Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha EC= 2.5.1.58 EC= 2.5.1.59 Alternative name(s): CAAX farnesyltransferase subunit alpha FTase-alpha Ras proteins prenyltransferase sub
Expression Region	2-379
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	Prenyltransferases attach either a farnesyl group or a geranylgeranyl group in thioether linkage to the cysteine residue of protein s 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.