



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

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-MP008777BO  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P29702  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Bos taurus (Bovine)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | AAADGVGEA AQGGDPGQPE PPPPPQPHPP PPPPQQPQEE AAAASPIDDG<br>FLSLDSPTYV LYRDRPEWAD IDPVPQNDGP NPVVQIIYSE KFQDVYDYFR<br>AVLQRDERSE RAFKLTRDAI ELNAANYTVW HFRRVLLKSL QKDLHEEMNY<br>ISAIIEEQPK NYQVWHHRRV LVEWLRDPSQ ELEFIADILT QDAKNYHAWQ<br>HRQWVIQEFK LWDNELQYVD QLLKEDVRNN SVWNQRYFVI SNTTGYNDRA<br>ILEREVQYTL EMIKLVPHNE SAWNYLKGIL QDRGLSKYPN LLNQLLDLQP<br>SHSSPYLIAF LVDIYEDMLE NQCDNKEDIL NKALELCEIL AKEKDTIRKE<br>YWRVIGRSLQ SKHSTESDPP TNVQQ                        |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | FNTA  |
| <b>Protein Names</b>     | 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   |
| <b>Expression Region</b> | 2-375   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | 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. |
| <b>Reconstitution</b>    | 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.