DATA SHEET

Jena Bioscience

$FTase_{W102T\_Y154T}^{GST}$

Protein farnesyltransferase mutant, α- and β-subunit
rat, recombinant, *E. coli*

Cat. No.	Amount
PR-952	20 µg

For general laboratory use.

Shipping: shipped on dry ice

Storage Conditions: store at -80 °C

Additional Storage Conditions: avoid freeze/thaw cycles

Shelf Life: 12 months

Molecular Weight: GST-α: 73 kDa, β: 48 kDa

Purity: > 90 % (SDS-PAGE)

Form: liquid (Supplied in 25 mM HEPES pH 7.2, 40 mM NaCl and 2 mM DTT)

Description:
FTase is one of the three mammalian protein prenyltransferases. The double mutant of FTase was engineered to efficiently transfer biotin-geranylpyrophosphate (BGPP, Cat.# LI-015) onto its native protein substrates. This approach allows the detection of femtomolar amounts of prenylatable proteins in eukaryotic cells and tissues as well as effective inhibitor screening.

Activity:
1 pmol of FTase double mutant will transfer 0.4 pmol of BGPP to H-Ras in 15 min at 37°C.

Selected References:
Hougland *et al.* (2009) Getting a handle on protein prenylation. *Nat. Chem. Biol.* **5 (4)**:197.

Nguyen *et al.* (2009) Analysis of the eukaryotic prenylome by isoprenoid affinity tagging. *Nat. Chem. Biol.* **5 (4)**:227.