

Product Information

GRB7, GST-tagged, human recombinant, expressed in *E. coli* cells

Catalog Number **SRP5234**
Storage Temperature -70°C

Synonym: B47

Product Description

GRB7 or growth factor receptor-bound protein 7 belongs to a small family of adapter proteins, which interact with a number of receptor tyrosine kinases and signaling molecules. GRB7 encodes a growth factor receptor-binding protein that interacts with epidermal growth factor receptor (EGFR) and ephrin receptors. GRB7 is highly expressed in liver and kidney.¹ GRB7 isoforms are involved in cell invasion and metastatic progression of human esophageal carcinomas.² GRB7 plays an important role in the integrin signaling pathway and cell migration by binding with focal adhesion kinase (FAK).

Recombinant, full-length, human GRB7 was expressed in *E. coli* using an N-terminal GST tag. The gene accession number is NM_001030002. Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~91 kDa

Purity: 70–95% (SDS-PAGE, see Figure 1)

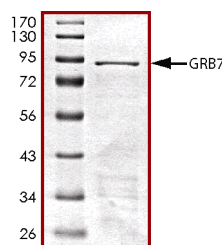
Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at -70°C is recommended. After opening, aliquot into smaller quantities and store at -70°C . Avoid repeated handling and multiple freeze/thaw cycles.

Figure 1.
SDS-PAGE Gel of Typical Lot
70–95% (densitometry)



References

1. Skolnik, E.Y. et al., Cloning of PI3 kinase-associated p85 utilizing a novel method for expression/cloning of target proteins for receptor tyrosine kinases. *Cell*, **65**, 83-90 (1991).
2. Tanaka, S. et al., A novel variant of human Grb7 is associated with invasive esophageal carcinoma. *J. Clin. Invest.*, **102**, 821-827 (1998).

FF,DKF,MAM 10/11-1