

Datasheet for 009-001-S00S**GRB7 protein-GST fusion****Overview**

Description:	GRB7 recombinant protein-GST fusion protein - 009-001-S00S
Item No.:	009-001-S00S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	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). GRB7 Protein is ideal for investigators involved in Signaling Proteins, Adaptor Proteins, Angiogenesis, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, ERK/MAPK Pathway, Invasion/Metastasis, JAK/STAT Pathway, and Neurobiology research.
Synonyms:	B47, Growth factor receptor-bound protein 7, Epidermal growth factor receptor GRB-7, GRB7 adapter protein
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	GRB7
Purity/Specificity:	Recombinant full-length human GRB7 was expressed by E.coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Relevant Links:	• NCBI - NM_001030002

Application Details

Application Note:	GRB7 Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. GRB7 Protein is suitable for use in Western Blot. Expect a band approximately ~91kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

