

Datasheet for 009-001-S50**Moesin protein-GST fusion****Overview**

Description:	Moesin recombinant protein-GST fusion protein - 009-001-S50
Item No.:	009-001-S50
Size:	50 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	Moesin (or membrane-organizing extension spike protein) belongs to ERM family that modulates epithelial integrity by regulating cell-signalling events that affect actin organization and polarity (1). The effects of Moesin on epithelial cells appear to result from inhibition of Rho signaling. ERM proteins serve a structural role in linkage of the cytoskeleton to the plasma membrane and the rescue of cells lacking Moesin by modulation of Rho signaling indicates that inhibition of Rho activity may be a more critical function of Moesin. The negative feedback loop produced by Rho's activation of ERM may be an important mechanism that prevents the excessive migratory and invasive properties characteristic of metastatic cancer cells (2). Moesin Protein is ideal for investigators involved in Signaling Reagents, Protein Substrates, Inflammation, and PKA/PKC Pathway research.
Synonyms:	MSN, Moesin Membrane-organizing extension spike protein
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	MSN
Purity/Specificity:	Recombinant human Moesin (410-end) was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Relevant Links:	• NCBI - NM_002444

Application Details

Application Note:	Moesin 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. Moesin Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~50kDa 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.

