



Recombinant Protein Technical Manual

Recombinant Human MSN/Moesin Protein (aa 1-346, His Tag)
RPES3713

Product Data:

Product SKU: RPES3713

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: P26038

Protein Information:

Molecular Mass: 42.8 kDa

AP Molecular Mass: 45 kDa

Tag: N-His

Bio-activity:

Purity: > 80 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 20mM Tris, 0.5M NaCl, pH 8.0

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: HEL70

Immunogen Information:

Sequence: Met 1-Glu 346

Background:

Moesin is a member of the ERM family which includes ezrin and radixin. ERM proteins, highly related members of the larger protein 4.1 superfamily, can exist in an active or inactive conformation. It seems that ERM proteins function as cross-linkers between plasma membranes and actin-based cytoskeletons. The sole *Drosophila* ERM protein, moesin, functions to promote cortical actin assembly and apical-basal polarity. As a result, cells lacking moesin lose epithelial characteristics and adopt invasive migratory behaviour. It is localized to filopodia and other membranous protrusions that are important for cell-cell recognition and signaling and for cell movement. Moesin contains 1 FERM domain and is expressed in all tissues and cultured cells studied. Moesin has been shown to interact with CD43, Neutrophil cytosolic factor 1, VCAM, Neutrophil cytosolic factor 4, ICAM3 and EZR.