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

Catalog Number: **13659-H07E**

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General Information

Gene Name Synonym:

HEL70; C78546

Protein Construction:

A DNA sequence encoding the human MSN (P26038) (Met 1-Glu 346) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 80 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Met

Molecular Mass:

The recombinant human MSN consists of 361 amino acids and has a calculated molecular mass of 42.8 kDa. It migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.

Formulation:

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

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

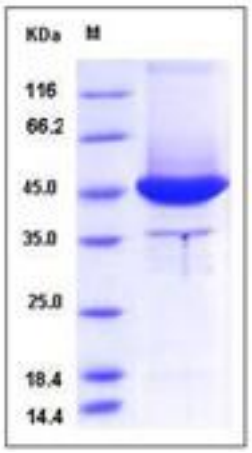
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

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-1, Neutrophil cytosolic factor 4, ICAM3 and EZR.

References

1.Lankes WT, *et al*. (1991) Moesin: a member of the protein 4.1-talin-ezrin family of proteins. Proc Natl Acad Sci. 88(19):8297-301.
2.Serrador, J M, *et al*. (1998) CD43 interacts with moesin and ezrin and regulates its redistribution to the uropods of T lymphocytes at the cell-cell contacts. Blood. 91(12):4632-44.
3.Barreiro Olga, *et al*. (2002) Dynamic interaction of VCAM-1 and ICAM-1 with moesin and ezrin in a novel endothelial docking structure for adherent leukocytes. J Cell Biol. 157(7):1233-45.