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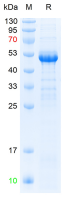
Recombinant human FMN1 protein, N-His

Catalog Number:	bs-42131P
Concentration:	>1mg/ml
AA Seq:	1-354/1419
Predicted MW:	41.4
Tags:	N-His
Activity:	Not tested
Endotoxin:	Not analyzed
Purity:	>90% as determined by SDS-PAGE
Form:	Lyophilized or Liquid
Storage:	20mM Tris (pH8.0) with 2M Urea. Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	The temporal genetic hierarchy influencing normal limb development can deregulate and mediate mammalian developmental syndromes. In mice, the limb deformity (ld) locus influences normal limb development and gives rise to alternative mRNAs that can translate into a family of proteins known as formins. Formins play a crucial role in cytoskeletal reorganization by influencing Actin filament assembly. Formins co-localize with the actin cytoskeleton and can translocate into the cell cytosol and into the nucleus in an HGF-dependent manner. Vertebrate nuclear formins can control polarizing activity in limb buds through establishment of a Sonic hedgehog/FGF-4 feedback loop. Deficiency mutations at the mammalian ld locus lead to profound developmental defects in limb and kidney formation. The human Formin 1 and 2 genes map to chromosome 15q13.3 and 1q43, respectively.

VALIDATION IMAGES



The purity of the protein is greater than 83% as determined by reducing SDS-PAGE.