PRODUCT INFORMATION

Target	RHOB
Synonyms	ARH6;ARHB;MST081;MSTP081;RHOH6
Description	Recombinant Human RHOB Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P62745
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	RHOB(Met1-Gly188) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 47.4 kDa after removal of the signal peptide. The apparent molecular mass of RHOB-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Mediates apoptosis in neoplastically transformed cells after DNA damage. Not essential for development but affects cell adhesion and growth factor signaling in transformed cells. Plays a negative role in tumorigenesis as deletion causes tumor formation. Involved in intracellular protein trafficking of a number of proteins. Targets PKN1 to endosomes and is involved in trafficking of the EGF receptor from late endosomes to lysosomes. Also required for stability and nuclear trafficking of AKT1/AKT which promotes endothelial cell survival during vascular development. Serves as a microtubule-dependent signal that is required for the myosin contractile ring formation during cell cycle cytokinesis. Required for genotoxic stress-induced cell death in breast cancer cells.[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

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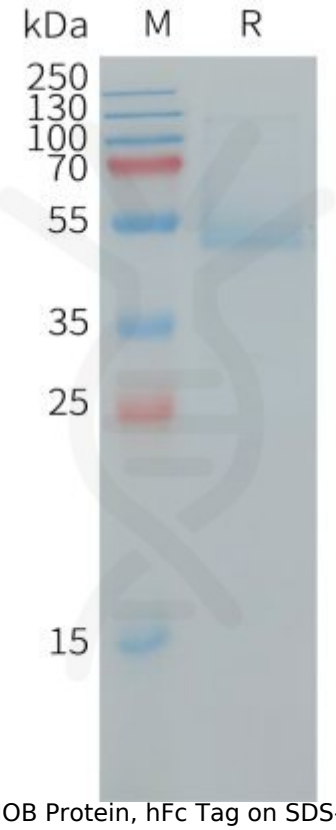


Figure 1.Human RHOB Protein, hFc Tag on SDS-PAGE under reducing condition.

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