

## Itga1

### Recombinant Mouse CD49a/ITGA1/VLA-1 Protein, N-His Tag

<b>Catalog No.</b>	YMF15801A YMF15801B	<b>Quantity:</b>	100 µg 1.0 mg
<b>Alternate Names:</b>	Integrin alpha-1, CD49 antigen-like family member A, Laminin and collagen receptor, VLA-1, CD49a		
<b>Description:</b>	Integrin alpha-1, also known as CD49a, is a subunit of the receptor for laminin and collagen. It forms a heterodimer with integrin beta 1 to form the $\alpha 1\beta 1$ integrin duplex which recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen		
<b>UniProt ID:</b>	Q3V3R4		
<b>Source:</b>	E. coli		
<b>Molecular Weight:</b>	24 kDa		
<b>Protein Construction:</b>	A DNA sequence encoding mouse Integrin alpha-1 (Ser168-Ala364) was fused to a N-terminal His tag.		
<b>Formulation:</b>	Lyophilized from PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol		
<b>Purity:</b>	> 90% as determined by SDS-PAGE		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1-1.0 mg/mL and gently pipette the solution up and down the sides of the vial. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution.		
<b>Storage &amp; Stability:</b>	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C for up to 3 months. <b>Avoid repeated freeze-thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.