

## Active Recombinant Mouse Vtn protein(Met1-Lys478), His-tagged

**Cat. No.** Vtn-4054M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse vitronectin (NP_035837.1) (Met 1-Lys 478) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Lys478
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of DU145 human prostate carcinoma cells. When cells are added to mouse Vitronectin coated plates (10 µg/mL and 100 µL/well), > 60% cells will adhere specifically after 30 minutes at 37 °C.
<b>Molecular Mass</b>	The secreted recombinant mouse vitronectin consists of 470 amino acids and has a predicted molecular mass of 54.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmvitronectin is approximately 75-85 kDa due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.

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<b>Purity</b>	> 85 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	Vtn vitronectin [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Vtn
<b>Synonyms</b>	VTN; vitronectin; S-protein; serum-spreading factor; Vn; A1256434;
<b>Gene ID</b>	22370
<b>mRNA Refseq</b>	NM_011707
<b>Protein Refseq</b>	NP_035837

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