


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

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

SPECIFICATION

Product Overview	Recombinant Mouse vitronectin (NP_035837.1) (Met 1-Lys 478) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Source	HEK293
Species	Mouse
Tag	C-His
Protein length	Met1-Lys478
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Storage	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.
Reconstitution	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

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

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