

VNN1 Protein, Mouse, Recombinant (aa 24-488, His)

General Information

Synonyms:	V-1;vanin 1
Protein Construction:	Leu24-Asn488
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q9Z0K8
Molecular Weight:	53.14 kDa (Predicted); 55-70 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μ g/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Vanin-1 (VNN1) is anchored to the cellular membrane with pantetheinase activity, which hydrolyzes pantetheine to produce cysteamine. VNN1 can promote oxidative stress and the inflammatory response. Additionally, VNN1 has been confirmed to be overexpressed in cancer tissues of patients with PCAD and can be used as a blood biomarker for the discrimination of PCAD from type 2 diabetes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481