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Recombinant Mouse Dystrophin (Dmd), N-His

Cat. No.: AP4C799

Product Type: Animal Proteins

Size: 10 μg; 50 μg; 200 μg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Mouse Dystrophin (Dmd), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular w eight is 30.8 kDa. The purity is> 90%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	*E.coli*
Purity	> 90%
Endotoxin	<1.0 EU per 1μg (determined by the LAL method)
Predicted Molecular Weight	30.8 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Mouse Dystrophin (Dmd) is a critical protein that provides structural support to muscle fibers and is essential for maintaining muscl e integrity. It is a component of the dystrophin-glycoprotein complex (DGC), which links the cytoskeleton to the extracellular matrix. Dystrophin acts as a shock absorber, protecting muscle cells from mechanical stress during contraction. In mouse models, mutatio ns in the Dmd gene lead to Duchenne muscular dystrophy (DMD), a severe muscle-wasting disease characterized by progressive muscle weakness and degeneration. Additionally, Dystrophin plays a role in neuronal function and has been implicated in cognitive deficits associated with DMD.

Protein	Mouse Dystrophin (Dmd)
Protein Synonym	Dmd
Gene ID	13405
EC No.	P11531

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Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in ddH2O to a concentration of 0.1-0.2 mg/mL. Do not vortex. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.

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