

Rev03
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DATASHEET

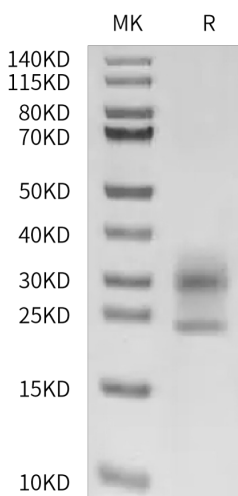
NPC2, His, Human

Cat. No.: Z05706

Product Introduction

Species	Human
Protein Construction	NPC2 (Glu20-Leu151)_x000D_ Accession # P61916-1 His N-termC-term
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	15.67 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 21-24 kDa and 27-35 kDa kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



NPC2, His, Human on Bis-Tris PAGE under reduced condition.
The purity is greater than 95%.

Background

Target Background : The Niemann Pick type C (NPC) proteins, NPC1 and NPC2, are involved in the lysosomal storage disease, NPC disease. The formation of a NPC1-NPC2 protein-protein complex is believed to be necessary for the transfer of cholesterol and lipids out of the late endosomal (LE)/lysosomal (Lys) compartments. Mutations in either NPC1 or NPC2 can lead to an accumulation of cholesterol and lipids in the LE/Lys, the primary phenotype of the NPC disease.

Synonyms : He1; EDDM1

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