

Rev02
 Update: Aug,08,2025

DATASHEET

CDH16/Cadherin 16, His, Human

Cat. No.: Z05146

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #4a7c9c; color: white; padding: 5px; margin-right: 10px;">His</div> <div style="background-color: #0056b3; color: white; padding: 5px; border: 1px solid white;"> CDH16/Cadherin 16 (Lys19-Ala786) Accession # O75309-1 </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CDH16/Cadherin 16, His, Human at 0.5µg/ml (100µl/well) on the plate can bind AntiCDH16 Antibody, Mouse IgG Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	84.37 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm filtered solution in 50mM Tris, 100mM NaCl (pH 8.0).
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.

Background

Target Background : Cadherin (CDH)16/kidney-specific-cadherin was first described as a kidney-specific adhesion molecule and thereafter found expressed also in the thyroid gland. CDH16 is a thyroid-selective and hormone-dependent adhesion protein that might play a role during thyroid development and that may be a useful marker to monitor thyroid carcinomas.

Synonyms : Cadherin-16; CDH16; Ksp-cadherin

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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