Rev02
Update: Aug,08,2025

DATASHEET

CD98, His, Mouse

Cat. No.: Z04334

Product Introduction

Species	Mouse
Protein Construction	
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	48.67 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 55-75 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.

Background

Target Background : The type II transmembrane protein CD98, best known as the heavy chain of the heterodimeric amino acid transporters (HAT), is required for the surface expression and basolateral localization of this transporter complex in polarized epithelial cells. CD98 also interacts with beta1 integrins resulting in an increase in their affinity for ligand. In this study we explored the role of the transmembrane and cytoplasmic domains of CD98 on integrin-dependent cell adhesion and migration in polarized renal epithelial cells.

Synonyms : 4F2hc; CD98; SLC3A2; 4F2; CD98HC; MDU1; NACAE; 4T2HC

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

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