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Datasheet for ABIN7504285

## SLC3A2 Protein (AA 100-526) (His tag)

### Overview

Quantity:	100 µg
Target:	SLC3A2
Protein Characteristics:	AA 100-526
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC3A2 protein is labelled with His tag.

### Product Details

Purpose:	Mouse CD98 Protein
Sequence:	Ala100-Ala526
Characteristics:	Recombinant Mouse CD98 Protein is expressed from HEK293 with His tag at the N-terminus. It contains Ala100-Ala526.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

### Target Details

Target:	SLC3A2
Alternative Name:	CD98 ( <a href="#">SLC3A2 Products</a> )

## Target Details

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**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.

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**Molecular Weight:** 48.67 kDa. Due to glycosylation, the protein migrates to 55-75 kDa based on Tris-Bis PAGE result.

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## Application Details

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Buffer:** Supplied as 0.22 µm filtered solution in PBS ( pH 7.4).

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**Storage:** -80 °C

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**Storage Comment:** Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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**Expiry Date:** 12 months

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