

Datasheet for ABIN7199015  
**SLC39A6 Protein (AVI tag,Biotin)**



[Go to Product page](#)

## Overview

Quantity:	200 µg
Target:	SLC39A6
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC39A6 protein is labelled with AVI tag,Biotin.

## Product Details

Purpose:	Biotinylated Cynomolgus LIV-1 / SLC39A6 Protein, His,Avitag™
Sequence:	Leu 21 - Ile 309
Characteristics:	Biotinylated Cynomolgus LIV-1, His,Avitag (LV1-C82E5) is expressed from human 293 cells (HEK293). It contains AA Leu 21 - Ile 309 (Accession # XP_005586923.1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	SLC39A6
Alternative Name:	LIV-1 / SLC39A6 ( <a href="#">SLC39A6 Products</a> )
Background:	Synonyms: SLC39A6,LIV-1,ZIP6,Zinc transporter ZIP6,ZIP-6, Description: LIV-1 is also known as SLC39A6, ZIP-6 and Zinc transporter ZIP6. May act as a zinc-influx transporter. Highly expressed in the breast, prostate, placenta, kidney, pituitary and

## Target Details

---

corpus callosum. Weakly expressed in heart and intestine. Also highly expressed in cells derived from an adenocarcinoma of the cervix and lung carcinoma. Up-regulated by estrogen in breast cancer cells lines.

Molecular Weight: 36.2 kDa

NCBI Accession: [XP\\_005586923](#)

Pathways: [Transition Metal Ion Homeostasis](#)

## Application Details

---

Application Notes: This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 36.2 kDa. The protein migrates as 50-65 kDa under reducing (R) condition due to glycosylation.

Comment: Ready-to-use Avitag™ biotinylated protein:  
The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: -20°C