

Datasheet for ABIN5954926

**MUC16 Protein (AA 12660-12923) (Fc Tag,AVI tag,Biotin)**[Go to Product page](#)**2** Images

## Overview

Quantity:	200 µg
Target:	MUC16 (CA125)
Protein Characteristics:	AA 12660-12923
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MUC16 protein is labelled with Fc Tag,AVI tag,Biotin.

## Product Details

Sequence:	AA 12660-12923
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	MUC16 (CA125)
Alternative Name:	CA125 ( <a href="#">CA125 Products</a> )
Background:	The CA125, also known as the MUC16, is a mucin protein that may be found in type I transmembrane or secreted forms that are used monitor the progress of epithelial ovarian cancer therapy. The CA 125 Molecule is almost certainly a glycoprotein with a predominance of

## Target Details

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O-linkages. It is heterogeneous with regard to both size and charge, most likely due to continuous deglycosylation of side chains during its life-span in bodily fluids. It exists as a very large complex (perhaps as much as 4 million daltons) under natural conditions.

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Molecular Weight:	56.9 kDa
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NCBI Accession:	<a href="#">NP_078966</a>
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## Application Details

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Comment:	<p>Ready-to-use Avitag<sup>TM</sup> biotinylated protein:</p> <p>The product is exclusively produced using the Avitag<sup>TM</sup> 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.</p>
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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.

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
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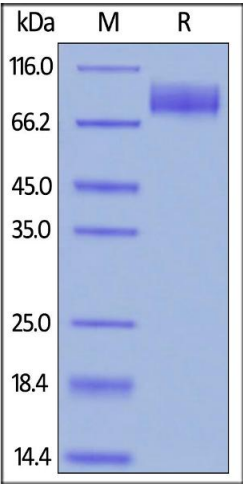
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
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Handling Advice:	Please avoid repeated freeze-thaw cycles.
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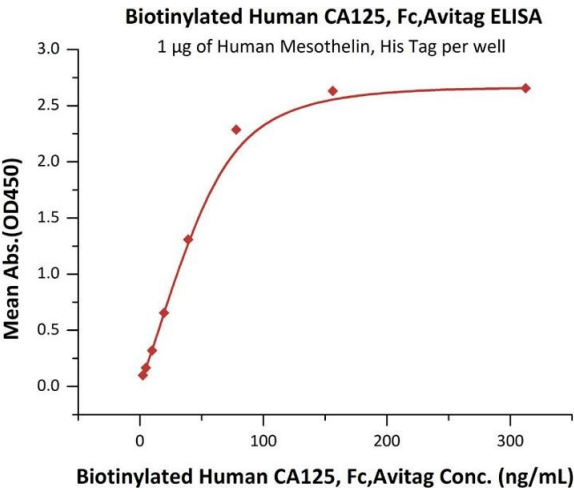
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Storage:	-20 °C
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SDS-PAGE

**Image 1.** Biotinylated Human CA125, Fc,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .



ELISA

**Image 2.** Immobilized Human Mesothelin, His Tag (ABIN2181517,ABIN2181516) at 10 µg/mL (100 µL/well) can bind Biotinylated Human CA125, Fc,Avitag (ABIN5954926,ABIN6253567) with a linear range of 2-78 ng/mL (QC tested).