

Datasheet for ABIN7319764  
**MUC16 Protein (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	MUC16 (CA125)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This MUC16 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human CA125/MUC16 (C-6His)
Sequence:	Gly12660-Met12923
Characteristics:	Recombinant Human Mucin-16 is produced by our Mammalian expression system and the target gene encoding Gly12660-Met12923 is expressed with a 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human Mesothelin(Cat#CP52) at 10µg/ml (100 µl/well) can bind Human CA125-His (Cat#CW57).The ED50 of Human CA125-His (Cat#CW57) is 0.6µg/mL.

## Target Details

Target:	MUC16 (CA125)
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## Target Details

Alternative Name:	CA125/MUC16 ( <a href="#">CA125 Products</a> )
Background:	<p>Background: MUC16, also known as the CA125 antigen, 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. MUC16 is over-expressed by tumor cells including ovarian and mesothelial cancers. The transmembrane form can adhere to mesothelin in the peritoneum, facilitating metastasis of ovarian cancer to the peritoneal cavity. MUC16 also binds galectin-1 on immune cells and enhances its expression on tumor cells. MUC16-expressing tumors adhere to NK cells, down-regulate CD16 and suppress NK response, which may promote immune evasion. MUC16 is also cyclically expressed in the endometrium and may contribute to immune privilege during pregnancy. In the eye, MUC16 and other mucins protect the cornea and keep it hydrated. It is altered on the conjunctival epithelium of patients with non-Sjogren dry eye syndrome.</p> <p>Synonym: CA125 ovarian cancer antigen, CA125, CA-125, CA125MUC-16, FLJ14303, MUC16, mucin 16, cell surface associated, mucin-16</p>

Molecular Weight:	29.2 kDa
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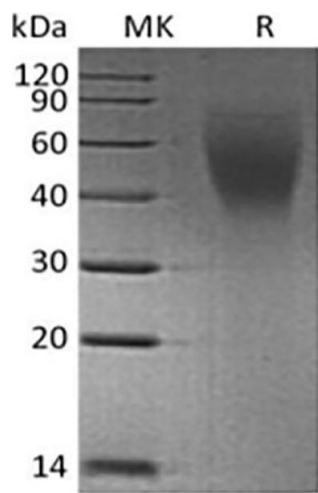
UniProt:	<a href="#">Q8WXI7</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCl, 100 mM Glycine, pH 7.5.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.