



[Go to Product page](#)

Datasheet for ABIN7275685

TAG-72 Protein (AA 1-478) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	TAG-72
Protein Characteristics:	AA 1-478
Origin:	Dog
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAG-72 protein is labelled with His tag.

Product Details

Purpose:	Canine TAG-72 Protein
Sequence:	Met1-Gln478
Characteristics:	Recombinant Canine TAG-72 Protein is expressed from E.coli with His tag at the C-Terminus.It contains Met1-Gln478.
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:	TAG-72
Alternative Name:	TAG-72 (TAG-72 Products)

Target Details

Background: The guanine-N7 methyltransferase domain of vaccinia virus mRNA capping enzyme is a heterodimer composed of a catalytic subunit and a stimulatory subunit. Cap (guanine-N7) methylation is an essential step in eukaryal mRNA synthesis and a potential target for antiviral, antifungal, and antiprotozoal drug discovery.

Molecular Weight: 56.19 kDa same as Tris-Bis PAGE result.

NCBI Accession: [XP_005615459](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

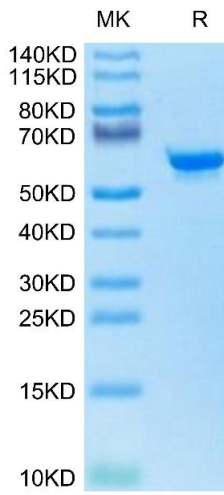
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

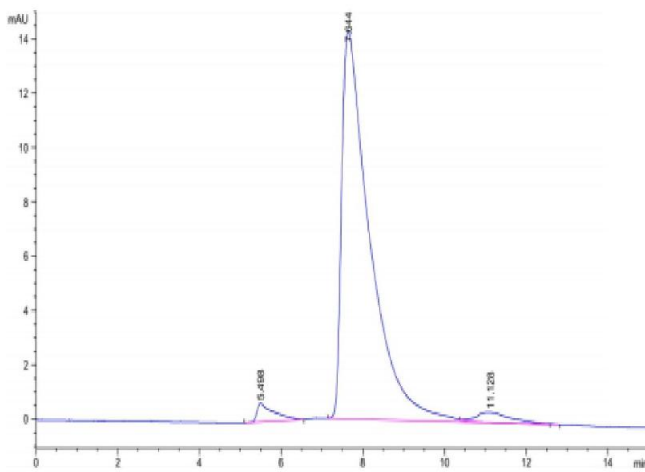
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Canine TAG-72 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Canine TAG-72 is greater than 95 % as determined by SEC-HPLC.