

Datasheet for ABIN6239881

**GOLM1 Protein (AA 133-379) (His tag,GST tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	GOLM1
Protein Characteristics:	AA 133-379
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This GOLM1 protein is labelled with His tag,GST tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

## Product Details

Characteristics:	Tag location: N-terminal His and GST Tag
Purity:	> 97 %
Biological Activity Comment:	Golgi Protein 73 (GP73) also known as Golgi phosphoprotein 2 or Golgi membrane protein GP73 is a protein that encoded by the GOLM1 gene. The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. It has been observed to be upregulated in response to viral infection. Besides, Dymeclin (DYM) has been identified as an interactor of GP73, thus a binding ELISA assay was conducted to detect the interaction of recombinant mouse GP73 and recombinant human DYM. Briefly, GP73 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to DYM-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-GP73 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times.

## Product Details

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With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of GP73 and DYM was shown in Figure 1, and this effect was in a dose dependent manner. The binding activity of GP73 with DYM.

## Target Details

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Target:	GOLM1
Alternative Name:	Golgi Protein 73 (GP73) ( <a href="#">GOLM1 Products</a> )
Background:	Alternative Names: GOLM1, GOLPH2, C9orf155, Golgi Membrane Protein 1, Golgi Phosphoprotein 2
Molecular Weight:	58kDa
UniProt:	<a href="#">Q91XA2</a>

## Application Details

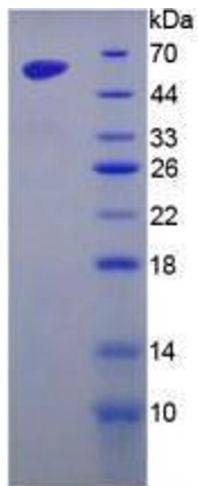
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Application Notes:	Isoelectric Point: 5.2
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.



**Image 1.**