

Golgi Protein 73 (GP73) Active Protein | GP73 active protein

Active Golgi Protein 73 (GP73)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA148195	E Coli	Mouse	Activity Assay, Cell Culture

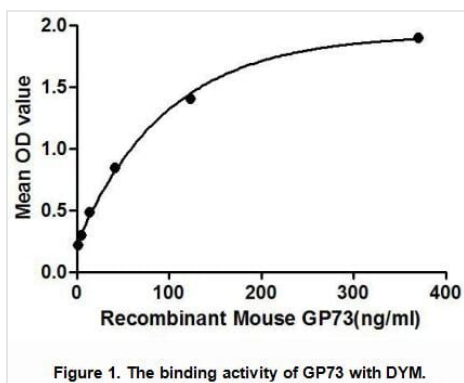
PRODUCT SYNONYMS

Golgi Protein 73 (GP73); Active Golgi Protein 73 (GP73); GOLM1; GOLPH2; C9orf155; Golgi Membrane Protein 1; Golgi Phosphoprotein 2; GP73 active protein

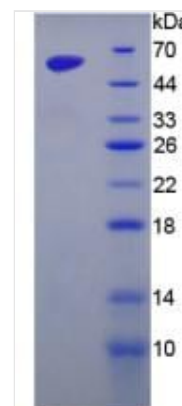
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse
Purity/Purification	> 97%
Form/Format	Freeze-dried powder
Sequence Length	393
Applicable Applications for GP73 active protein	Activity Assay, Cell Culture
Tag	N-terminal His and GST Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Ser133~Ser379
Isoelectric Point	5.2

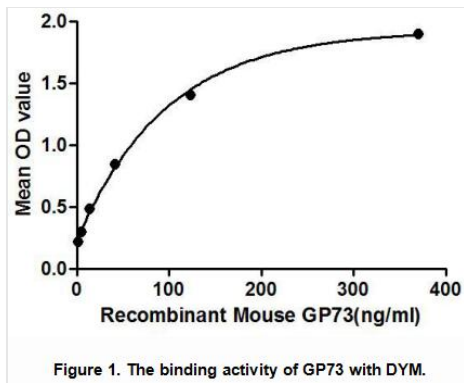
IMAGES



Application Data



SDS-PAGE



Activity

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

ADDITIONAL INFORMATION

Product Categories/Family for GP73 active protein	Tumor immunity; Infection immunity; Reproductive science; Hepatology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	78190500
NCBI GeneID	105348
NCBI Accession #	NP_001030294.1
NCBI GenBank Nucleotide #	NM_001035122.2
UniProt Accession #	Q91XA2; G3X8U4
Molecular Weight	Predicted Molecular Weight: 57.8kDa Accurate Molecular Weight: 58kDa
NCBI Official Full Name	Golgi membrane protein 1
NCBI Official Synonym Full Names	golgi membrane protein 1
NCBI Official Symbol	Golm1
NCBI Official Synonym Symbols	GP73; Golph2; AW125446; PSEC0257; 2310001L02Rik; D030064E01Rik
NCBI Protein Information	Golgi membrane protein 1
UniProt Protein Name	Golgi membrane protein 1
UniProt Gene Name	Golm1
UniProt Synonym Gene Names	Golph2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-mouse-active-protein/golgi-protein-73-gp73/148195>