

# Recombinant human Alpha 1-Acid Glycoprotein 1/ORM1 protein

Catalog Number: ATGP1143

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

19-201aa

### UniProt No.

P02763

### NCBI Accession No.

NP\_000598

### Alternative Names

Alpha-1-acid glycoprotein 1, Orosomuroid-1, ORM, AGP1, AGP-A

## PRODUCT SPECIFICATION

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### Molecular Weight

21.7 kDa (184aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 5% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

Non-Tagged

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Orosomuroid 1, also known as ORM1, is an acute phase plasma protein synthesized by the liver. The protein is believed to regulate the interaction between blood cells and endothelial cells, and together with haptoglobin and C reactive protein, also regulates the extravasation of the cells during infection and inflammation. Expression of ORM1 is induced by acute-phase stimulatory agents such as bacterial lipopolysaccharides.

### Amino acid Sequence

MQIPLCANLV PVPITNATLD RITGKWFYIA SAFRNEEYNK SVQEIQATFF YFTPNKTEDTIFLREYQTRQ DQCIYNTTYL

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NVQRENGTIS RYVGGQEHFA HLLILRDTKT YMLAFDVNDEKNWGLSVYAD KPETTKEQLG EFYEALDCLR IPKSDVVYTD  
WKKDKCEPLE KQHEKERKQE EGES

## General References

umetsu K., et al. (1986) Hum Genet. 71:223-224.

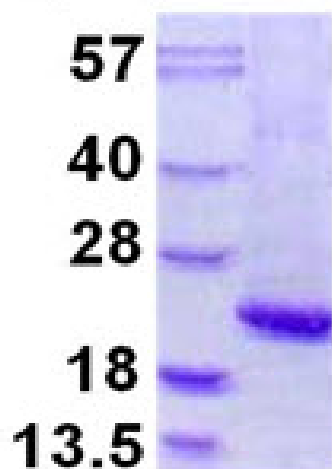
Carter K C., et al. (1991) Biochim. Biophys. Acta. 1089:197-205.

## DATA

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### SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)