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

Catalog Number: ATGP4089

#### PRODUCT INFORMATION

#### **Expression system**

**HEK293** 

#### **Domain**

19-201aa

#### UniProt No.

P02763

#### **NCBI Accession No.**

NP 000598.2

#### **Alternative Names**

Orosomucoid-1, ORM, AGP1, AGP-A, HEL-S-153w

## **PRODUCT SPECIFICATION**

# **Molecular Weight**

22.4kDa(189aa)

#### Concentration

1mg/ml (determined by Absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### ıag

His-Tag

## **Application**

SDS-PAGE

## **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**

#### **Description**

Alpha 1-Acid Glycoprotein 1 also known as ORM1, is a member of the inositol calycin superfamily. It is an acute phase plasma protein synthesized by the liver. The specific function of this protein has not yet been determined. However, it may be involved in aspects of immunosuppression. The protein is believed to regulate the interaction between blood cells and endothelial cells, and together with haptoglobin and C reactive protein, also



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regulates the extravasation of the cells during infection and inflammation. Expression of ORM1 is induced by acute-phase stimulatory agents such as bacterial lipopolysaccharides. Recombinant human Alpha 1-Acid Glycoprotein 1/ORM1, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.

### **Amino acid Sequence**

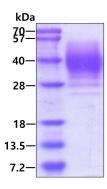
QIPLCANLVP VPITNATLDR ITGKWFYIAS AFRNEEYNKS VQEIQATFFY FTPNKTEDTI FLREYQTRQD QCIYNTTYLN VQRENGTISR YVGGQEHFAH LLILRDTKTY MLAFDVNDEK NWGLSVYADK PETTKEQLGE FYEALDCLRI PKSDVVYTDW KKDKCEPLEK QHEKERKQEE GES<HHHHHH>

#### **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**

#### **SDS-PAGE**



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

