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## Recombinant human ORM2 protein

Catalog Number: ATGP3538

#### PRODUCT INFORMATION

## **Expression system**

Baculovirus

#### **Domain**

19-201aa

#### UniProt No.

P19652

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

NP 000599.1

#### **Alternative Names**

Alpha-1-acid glycoprotein 2, ORM2, AGP-B, AGP-B', AGP2

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

22.7 kDa (192aa)

#### Concentration

0.5mg/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)

#### Tag

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**

ORM2, also known as Alpha-1-acid glycoprotein 2, is a key acute phase plasma protein. It belongs to calycin superfamily, lipocalin family. Lipocalins transport small hydrophobic molecules such as steroids, bilins, retinoids, and lipids. This protein functions as transport protein in the blood stream. It is expressed by the liver and secreted in plasma. It seems that ORM2 function in modulating the activity of the immune system during the



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acute-phase reaction. Recombinant human ORM2 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## **Amino acid Sequence**

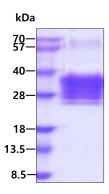
<ADP>QIPLCAN LVPVPITNAT LDRITGKWFY IASAFRNEEY NKSVQEIQAT FFYFTPNKTE DTIFLREYQT RQNQCFYNSS YLNVQRENGT VSRYEGGREH VAHLLFLRDT KTLMFGSYLD DEKNWGLSFY ADKPETTKEQ LGEFYEALDC LCIPRSDVMY TDWKKDKCEP LEKQHEKERK QEEGES

### **General References**

Zhang X., et al. (2012) PLoS One. 7:e31868. Gao F., et al. (2014) Ann Clin Lab Sci. 44:388-393.

## **DATA**

#### **SDS-PAGE**



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

