

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 NKSVMQEIQAT FFYFTPKNKTE DTIFLREYQT RQNQCFYNSS
YLVNQRENGT VSRYEYGGREH VAHLLFLRDT KTLMFSGSYLD DEKNWGLSFY ADKPETTKEQ LGEFYEALDC LCIPRSDVMY
TDWKKDKCEP LEKQHEKERK QEEGES<HHHH HH>

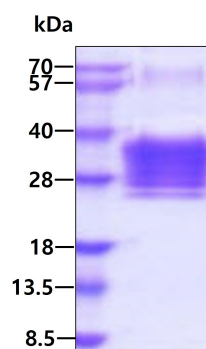
General References

Zhang X., et al. (2012) PLoS One. 7:e31868.

Gao F., et al. (2014) Ann Clin Lab Sci. 44:388-393.

DATA

SDS-PAGE



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