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)

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
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

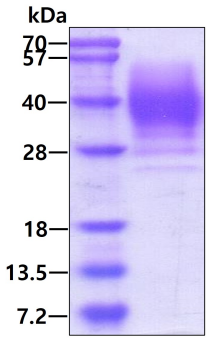
QIPLCANLVP VPITNATLDR ITGKWFYIAS AFRNEEYNKS VQEIQATFFY FTPNKTEDTI FLREYQTRQD QCIYNTTYLN VQRENGTISR YVGGQEHFAH LLILRDTKTY MLAFDVNDEK NWGLSVYADK PETTKEQLGE FYEALDCLRI PKSDVVYTDW KKDKCEPLEK QHEKERKQEE GES<HHHHHH>

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