

ORM2, 19-201aa, Human, His-tag, Baculovirus

Cat.NO.: TP03259

3th Edition

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

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 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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:22.7kDa (192aa)28-40KDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPQIPLCANLVPVPITNATLDRITGKWFYIASAFRNEEYNKSVQEIQATFFYFTPNKTEDTIFLREYQTRQNQCFYNS
SYLNVQRENGTVSRYEGGREHVAHLLFLRDTKTLMFGSYLDDEKNWGLSFYADKPETTKEQLGEFYEALDCLCIPR
SDVMYTDWKKDKCEPLEKQHEKERKQEEGESHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.