
Product Data Sheet

Product Name: ORM1 Human
 Cat. No.: GP24105
 Batch No.: 1

Product Data

Purity	>98%	Source	Human pooled serum.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Orosomucoid 1; ORM; AGP1; OMD 1; AGP-A; alpha-1-acid glycoprotein 1; ORM1.		
Amino Acid Sequence	QIPLCANLVP VPITNATLDQ ITGKWFYIAS AFRNEEYNKS VQEIQATFFY FTPNKTEDTI FLREYQTRQD QCIYNTTYLN VQRENGTISR YVGGQEHFAH LLILRDTKTY MLAFDVNDEK NWGLSVYADK PETTKEQLGE FYEALDCLRI PKSDVVYTDW KKDKCEPLEK QHEKERKQEE GES.		
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	ORM1 protein filtered (0.4µm) and lyophilized in 0.5 mg/ml in 20mM TRIS and 50mM NaCl, pH 7.5.		

Introduction

The acute phase plasma protein ORM1 synthesized by the liver mediates the interaction between blood cells and endothelial cells. In addition, together with haptoglobin and C reactive protein, ORM1 regulates the extravasation of the cells through infection and inflammation. Expression of ORM1 is induced by acute-phase stimulatory mediators such as bacterial lipopolysaccharides.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

The Human Orosomuroid 1 produced from Human pooled serum has a molecular mass of 21.56kDa (calculated without glycosylation) containing 183 amino acid residues.

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