

---

**Product Data Sheet**


---

Product Name: ORM1  
 Cat. No.: GP24104  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Orosomucoid 1; ORM; AGP1; OMD 1; AGP-A; alpha-1-acid glycoprotein 1.		
Amino Acid Sequence	MQIPLCANLV PVPITNATLD QITGKWFYIA SAFRNEEYNK SVQEIQATFF YFTPNKTEDT IFLREYQTRQ DQCIYNTTYL NVQRENGTIS RYVGGQEHFA HLLILRDTKT YMLAFDVNDE KNWGLSVYAD KPETTKEQLG EFYEALDCLR IPKSDVVYTD WKKDKCEPLE KQHEKERKQE EGES.		
Formulation	The ORM1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 5% glycerol.		

**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 at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

ORM1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 184 amino acids (19-201) and having a molecular mass of 21.7 kDa. The ORM1 is purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---