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ORM1 Human

Catalog #:PRPS-896

For research use only.

Description: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.

Synonyms: Orosomucoid 1, ORM, AGP1, OMD 1, AGP-A, alpha-1-acid glycoprotein 1.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MQIPLCANLV PVPITNATLD QITGKWFYIA SAFRNEEYNK SVQEIQATFF YFTPNKTEDT IFLREYQTRQ DQCIYNTTYL NVQRENGTIS RYVGGQEHFA HLLILRDTKT YMLAFDVNDE KNWGLSVYAD KPETTKEQLG EFYEALDCLR IPKSDVVYTD WKKDKCEPLE KQHEKERKQE EGES.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The ORM1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 5% glycerol.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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 throµgh infection and inflammation. Expression of ORM1 is induced by acute-phase stimulatory mediators such as bacterial lipopolysaccharides.

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