
Product Data Sheet

Product Name: GP9 Human
 Cat. No.: GP23588
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Platelet glycoprotein IX; GP-IX; GPIX; Glycoprotein 9; CD42a; Glycoprotein IX (Platelet).		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSTKDCPSP CTCRALETMG LWVDCRGHGL TALPALPART RHLLANNSLQSVPPGAFDH LPQLQTL DVT QNPWHCDCSL TYLRLWLEDR TPEALLQVRC ASPSLAAHG P LGRLTGYQLGSCGWQLQASW VRPG.		
Formulation	GP9 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2M UREA and 10% glycerol.		

Introduction

Glycoprotein-9 (GP9) is a small membrane glycoprotein found on the surface of human platelets. GP9 forms a one to one noncovalent complex with glycoprotein Ib, a platelet surface membrane glycoprotein complex which functions as a receptor for von Willebrand factor. The complete receptor complex includes noncovalent association of the alpha and beta subunits with the protein and platelet glycoprotein V. GP9 gene defects cause the Bernard-Soulier syndrome, aka giant platelet disease whose patients have unusually large platelets and have a clinical bleeding tendency.

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

GP9 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 154 amino acids (17-147) and having a molecular mass of 16.8kDa. GP9

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

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is fused to a 23 amino acid His-tag at N-terminus& purified by proprietary chromatographic techniques.

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