
Product Data Sheet

Product Name: XG Human
 Cat. No.: GP25022
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Glycoprotein Xg isoform 1 precursor; PBDX; Glycoprotein Xg; PBDX; XG.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSQRDFDLA DALDDPEPTK KPNSDIYPKP KPPYYPQPEN PDSGGNIYPR PKPRPQPQPG NSGNSGGYFN DVDRDDGRYP PRPRPRPPAG GGGGGYSSYG NSDNTHGGDH HSTYGNPEGN MVAK.		
Formulation	XG protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

XG is the XG blood group antigen, and is at the pseudoautosomal boundary on the short (p) arm of chromosome X. The three 5' exons are located in the pseudoautosomal area and the remaining exons within the X-specific end. A shorted copy of XG is found on the Y chromosome at the pseudoautosomal boundary. XG is transcribed, although not expected to make a Y-chromosome specific gene product.

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

XG Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 144 amino acids (22-142a.a) and having a molecular mass of 15.5kDa. XG is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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