

AR50829PU-N

Human Xg / PBDX (22-142, His-tag) - Purified

Alternate names:

Glycoprotein Xg, Protein PBDX

Quantity:

0.1 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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 reside in the pseudoautosomal region and the remaining exons within the X-specific end. A truncated copy of this gene is found on the Y chromosome at the pseudoautosomal boundary. It is transcribed, but not expected to make a Y-chromosome specific gene product. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Uniprot ID:

[P55808](#)

NCBI:

[NP_780778](#)

GeneID:

[7499](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Description:

Recombinant human XG protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSQRDFDLA DALDDPEPTK KPNSDIYPKP KPPYYPQPEN
PDSGGNIYPR PKPRPQPQPG NSGNSGGYFN DVDRDDGRYP PRPRPRPPAG GGGGGYSSYG
NSDNTHGGDH HSTYGNPEGN MVAK

Molecular weight: 15.5 kDa (144aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Gandouz,R., et al. (2008) Transfus Clin Biol 15 (4), 174-176 Fouchet,C., et al. (2000) Immunogenetics 51 (8-9), 688-694

Pictures:

