Recombinant Human XG, His-tagged

Cat. No. XG-7561H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human XG protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	22-142aa
Antigen Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	15.5 kDa (144aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSQRDFDLA DALDDPEPTK KPNSDIYPKP KPPYYPQPEN PDSGGNIYPR PKPRPQPQPG NSGNSGGYFN DVDRDDGRYP

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	PRPRPRPPAG GGGGGYSSYG NSDNTHGGDH HSTYGNPEGN MVAK
Purity	>90% as determined by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml

GENE INFORMATION

Gene Name	XG Xg blood group [Homo sapiens]
Official Symbol	XG
Synonyms	XG; Xg blood group; PBDX, Xg blood group (pseudoautosomal boundary divided on the X chromosome); glycoprotein Xg; XG glycoprotein; Xg blood group (pseudoautosomal boundary-divided on the X chromosome); PBDX; MGC118758; MGC118759; MGC118760; MGC118761;
Gene ID	7499
mRNA Refseq	NM_001141919
Protein Refseq	NP_001135391
UniProt ID	P55808
Chromosome Location	Xp22.32

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Function	molecular_function;

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