

Product datasheet for **SC324765**

Xg blood group (XG) (NM_001141920) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xg blood group (XG) (NM_001141920) Human Untagged Clone
Tag:	Tag Free
Symbol:	Xg blood group
Synonyms:	PBDX
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001141920, the custom clone sequence may differ by one or more nucleotides ATGGAGAGCTGGTGGGACTTCCCTGTCTTGCCTTCTGTGTTTTCTAATGCACGCCCGA GGTCAAAGAGACTTTGATTTGGCAGATGCCCTTGATGACCCTGAACCCACCAAGAAGCCA AACTCAGATATCTACCCAAAGCCAAAACACCTTACTACCCACAGCCCGAGAATCCCGAC AGCGGTGGAAATATCTACCCAAGGCCAAAGCCACGCCCTCAACCCAGCCTGGCAATTCC GGCAACAGTGGAGGTAGTTACTTCAATGATGTGGACCGTGATGACGGACGCTACCCGCC AGGCCACAGGCCACGGCCCTGCAGGAGGTGGCGCGGTGGCTACTCCAGTTATGGCAAC TCCGACAACACGCACGGTGGAGATCACCATTCAACGTATGGCAATCCAGAAGGCAATATG GTAGCAAAAATCGTGTCTCCCATCGTATCCGTGGTGGTGGTACTGCTGGGAGCAGCA GCCAGTATTTCAAACAATAAGGAGAAATTGTTTCAGGACCCATGAACCAGAAAAT GTC
Restriction Sites:	Please inquire
ACCN:	NM_001141920
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001141920.1](#), [NP_001135392.1](#)

RefSeq Size: 2902 bp

RefSeq ORF: 546 bp

Locus ID: 7499

UniProt ID: [P55808](#)

Cytogenetics: Xp22.33

Protein Families: Transmembrane

Gene Summary: This gene encodes the XG blood group antigen, and is located 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. [provided by RefSeq, Nov 2008]

Transcript Variant: This variant (3) uses an alternate donor splice site at one of the coding exons compared to transcript variant 1, resulting in an isoform (3) containing one additional aa compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no quality transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments. Sequence Note: This RefSeq record represents the XG*001.1.1 allele.