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# Product datasheet for KN207922

## Pentraxin 3 (PTX3) Human Gene Knockout Kit (CRISPR)

### Product data:

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

**Donor DNA:** GFP-puro

**Symbol:** Pentraxin 3

**Locus ID:** 5806

**Components:** **KN207922G1**, Pentraxin 3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTGGACAACGAAATAGACAA
**KN207922G2**, Pentraxin 3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAATGGACTCCATCCCACTG
**KN207922D**, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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TACAGGCATC GTGGTGTCAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

**GE100003**, scramble sequence in pCas-Guide vector

**Disclaimer:** These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

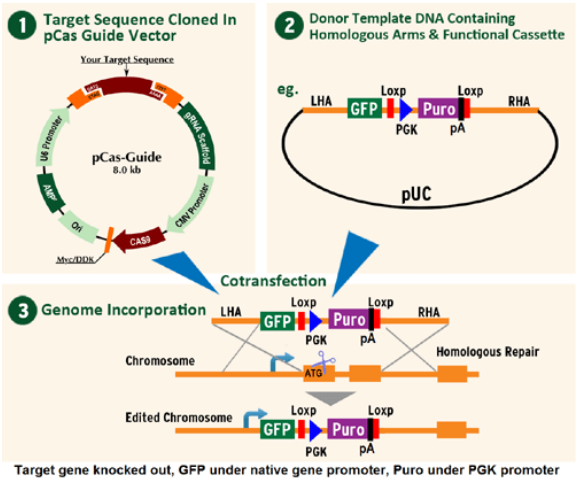
**RefSeq:** NM_002852

**UniProt ID:** P26022

**Synonyms:** TNFAIP5; TSG-14

**Summary:** This gene encodes a member of the pentraxin protein family. The expression of this protein is induced by inflammatory cytokines in response to inflammatory stimuli in several mesenchymal and epithelial cell types, particularly endothelial cells and mononuclear phagocytes. The protein promotes fibrocyte differentiation and is involved in regulating inflammation and complement activation. It also plays a role in angiogenesis and tissue remodeling. The protein serves as a biomarker for several inflammatory conditions. [provided by RefSeq, Jun 2016]

## Product images:




Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter