

Product datasheet for **KN211740BN**

PDGF Receptor alpha (PDGFRA) Human Gene Knockout Kit (CRISPR)

Product data:

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| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control |
| Donor DNA: | mBFP-Neo |
| Symbol: | PDGF Receptor alpha |
| Locus ID: | 5156 |
| Components: | KN211740G1 , PDGF Receptor alpha gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN211740G2 , PDGF Receptor alpha gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN211740BND , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. 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_006206 , NM_001347827 , NM_001347828 , NM_001347829 , NM_001347830 |
| UniProt ID: | P16234 |
| Synonyms: | CD140A; PDGFR-2; PDGFR2; RHEPDGFRA |
| Summary: | This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers. [provided by RefSeq, Mar 2012] |



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Product images:

