

Product datasheet for **KN211740LP**

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

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
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) KN211740LPD , donor DNA containing left and right homologous arms and Luciferase-Puro 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:

