

Product datasheet for KN205725LP

OriGene Technologies, Inc.

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Eph receptor A2 (EPHA2) 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: Eph receptor A2

Locus ID: 1969

Components: KN205725G1, Eph receptor A2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN205725G2, Eph receptor A2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN205725LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 004431</u>, <u>NM 001329090</u>

UniProt ID: P29317

Synonyms: ARCC2; CTPA; CTPP1; CTRCT6; ECK

Summary: This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH

and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Mutations in this gene are the cause

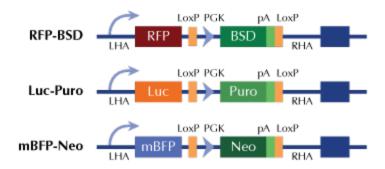
of certain genetically-related cataract disorders.[provided by RefSeq, May 2010]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter