

Product datasheet for KN222737BN

ITPR3 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

ITPR3 Symbol: 3710 Locus ID:

KN222737G1, ITPR3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN222737G2, ITPR3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN222737BND, 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 002224

UniProt ID: Q14573

Synonyms: IP3R; IP3R3

Summary: This gene encodes a receptor for inositol 1,4,5-trisphosphate, a second messenger that

> mediates the release of intracellular calcium. The receptor contains a calcium channel at the C-terminus and the ligand-binding site at the N-terminus. Knockout studies in mice suggest that type 2 and type 3 inositol 1,4,5-trisphosphate receptors play a key role in exocrine secretion underlying energy metabolism and growth. [provided by RefSeq, Aug 2010]



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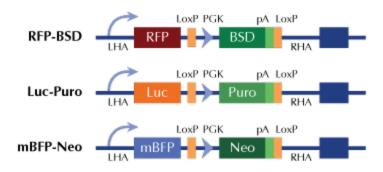
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Product images:

Donor Vector Edited Chromosome



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