

## Product datasheet for **KN222737LP**

### ITPR3 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:	ITPR3
Locus ID:	3710
Components:	<b>KN222737G1</b> , ITPR3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN222737G2</b> , ITPR3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN222737LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_002224</a>
UniProt ID:	<a href="#">Q14573</a>
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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## Product images:

