

Product datasheet for **KN214877LP**

EGFR 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:	EGFR
Locus ID:	1956
Components:	KN214877G1 , EGFR gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN214877G2 , EGFR gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN214877LPD , 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:	<u>NM_005228</u> , <u>NM_201282</u> , <u>NM_201283</u> , <u>NM_201284</u> , <u>NM_001346897</u> , <u>NM_001346898</u> , <u>NM_001346899</u> , <u>NM_001346900</u> , <u>NM_001346941</u>
UniProt ID:	<u>P00533</u>
Synonyms:	ERBB; ERBB1; HER1; mENA; NISBD2; PIG61
Summary:	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). [provided by RefSeq, Jul 2020]



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Product images:

