

## Product datasheet for **KN207685BN**

### NGAL (LCN2) 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
Symbol:	NGAL
Locus ID:	3934
Components:	<b>KN207685G1</b> , NGAL gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN207685G2</b> , NGAL gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN207685BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo 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:	<u><a href="#">NM_005564</a></u> , <u><a href="#">N79823</a></u>
UniProt ID:	<u><a href="#">P80188</a></u>
Synonyms:	24p3; MSFI; NGAL
Summary:	This gene encodes a protein that belongs to the lipocalin family. Members of this family transport small hydrophobic molecules such as lipids, steroid hormones and retinoids. The protein encoded by this gene is a neutrophil gelatinase-associated lipocalin and plays a role in innate immunity by limiting bacterial growth as a result of sequestering iron-containing siderophores. The presence of this protein in blood and urine is an early biomarker of acute kidney injury. This protein is thought to be involved in multiple cellular processes, including maintenance of skin homeostasis, and suppression of invasiveness and metastasis. Mice lacking this gene are more susceptible to bacterial infection than wild type mice. [provided by RefSeq, Sep 2015]



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## Product images:

