

Product datasheet for **KN206080BN**

MTREX 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:	MTREX
Locus ID:	23517
Components:	<p>KN206080G1, MTREX gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN206080G2, MTREX gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN206080BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_015360
UniProt ID:	P42285
Synonyms:	Dob1; fSAP118; KIAA0052; Mtr4
Summary:	<p>Component of exosome targeting complexes. Subunit of the trimeric nuclear exosome targeting (NEXT) complex, a complex that directs a subset of non-coding short-lived RNAs for exosomal degradation. Subunit of the trimeric poly(A) tail exosome targeting (PAXT) complex, a complex that directs a subset of long and polyadenylated poly(A) RNAs for exosomal degradation. The RNA exosome is fundamental for the degradation of RNA in eukaryotic nuclei. Substrate targeting is facilitated by its cofactor MTREX, which links to RNA-binding protein adapters (PubMed:27871484). Associated with the RNA exosome complex and involved in the 3'-processing of the 7S pre-rRNA to the mature 5.8S rRNA (PubMed:17412707, PubMed:29107693). May be involved in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]</p>



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Product images:

