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Product datasheet for KN206024

MTAP Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

Donor DNA: GFP-puro

Symbol: MTAP

Locus ID: 4507

Components: **KN206024G1**, MTAP gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATGCCTTCTCGCCCCCGCGC
KN206024G2, MTAP gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCATCTCACCTTCACGGCGG
KN206024D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
Homologous arm and GFP-puro sequences:
pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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CATGGGGGAT CATGTAACTC GCCTT

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.

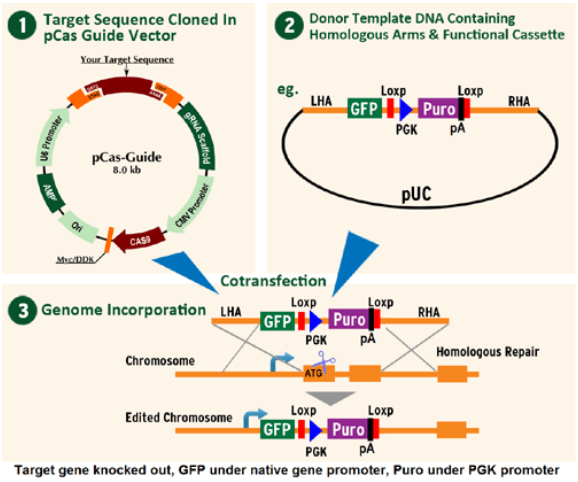
RefSeq: NM_002451

UniProt ID: Q13126

Synonyms: BDMF; c86fus; DMSFH; DMSMFH; HEL-249; LGMBF; MSAP

Summary: This gene encodes an enzyme that plays a major role in polyamine metabolism and is important for the salvage of both adenine and methionine. The encoded enzyme is deficient in many cancers because this gene and the tumor suppressor p16 gene are co-deleted. Multiple alternatively spliced transcript variants have been described for this gene, but their full-length natures remain unknown. [provided by RefSeq, Jul 2008]

Product images:



Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter