

Product datasheet for **KN204242BN**

TAP1 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:	TAP1
Locus ID:	6890
Components:	<p>KN204242G1, TAP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTCCTCCCCTACTGGCGGCT</p> <p>KN204242G2, TAP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTGAGCTTCTCGCCAGCGC</p> <p>KN204242BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	<u>NM_000593</u> , <u>NM_001292022</u>
UniProt ID:	<u>Q03518</u>
Synonyms:	ABC17; ABCB2; APT1; D6S114E; PSF-1; PSF1; RING4; TAP1 0102N; TAP1N
Summary:	<p>The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. The protein encoded by this gene is involved in the pumping of degraded cytosolic peptides across the endoplasmic reticulum into the membrane-bound compartment where class I molecules assemble. Mutations in this gene may be associated with ankylosing spondylitis, insulin-dependent diabetes mellitus, and celiac disease. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014]</p>



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Product images:

