

Product datasheet for **KN215589**

MPIG6B 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:	MPIG6B
Locus ID:	80739
Components:	<p>KN215589G1, MPIG6B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCCTGGGGTAAGCGATCCC</p> <p>KN215589G2, MPIG6B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGAGTTGTGATAGACGCAG</p> <p>KN215589D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p> <p>Homologous arm and GFP-puro sequences: pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet</p> <pre> GCCGGAGGCT GCAGTGAGTC GAGATTGCAC TCCAGCCTGG CCACAGAGCA AGACTCTGAC TCAAAAAAAAA AAAAAAAAAA AAGAATAGAA ATAGTAATAA TAATGGCAAG CACTTACATA GTGATCCTAT GTATTCTAAG CAGTTTACAT GTATTACTTT ATTTTCGTAT CACAATCCCC TACAAAACAG GAGTTTTTTT TGTTGTTGTT TTTGAGACAG GGTCTGGCTG GCTCTGTCGC CCAGGCTGGA GTGCAATGGC CTGATCACAG TTCACTGCAA CCTCGACCTC CTGAGCTCAA GCGATCTCC CTCCTCAGCC TCCTAAGTAG CTGGGATTAC AGGCGCACCT GAAAAGTTAA GCAGGCCAAA GCATTTGTGT AAATGGCCCG AGCACACATT TTAAGTGAGA ACCATTGAA GACTCCGAGT TTGCCTGCGA GGATTCCCAA AGGGATCTGG GCAGCTGGTG GCCCCGCCCT CTCTCTTATC GGAGCCCCC AGCCCTCCG TTCTCCCAC GCCTAACTTC CCTCCGGTCC CCCCCAACCG GGCCCCACGC CGCTGATTCTG CTCGCAGCTT CTCCTACCA CATCCTAACC AGGGGCTGAA GCAAGATAAG GGCCGCCTAG TAGGGTGGGT TGTGTGTGGG AAGATCCAGG ATGGCTGGAG TGCAGAACAG AGAAGAGAAA GAGGAGACGG GATGGAGGGT CGTCTTGCCC TGTGGACGTG CCCTAACCAC AGCCTCCGGC CTCTCCTAGC TTCTCTGGAC GGCCGCCCTG GGGACCGGGT GAATCTCTCC TCGGAGGAG TCTCTCATCC CATCCGCTGG GTCTGGGCAC CCAGCTTCCC GGCCTGCAAG GGCCTGTCCA AAGGACGCCG ACCGATCCTG TGGGCCTCTT CGAGCGGGAC CCCCACCGTG CCTCCCCTCC AGCCTTTCGT CGGCCGCCCTA CGCTCCCTGG ACTCTGTGAT CCGGCCGCTG GAGCTCCTCT TGAGCGCGGG GGACTCGGGC ACTTTTTTCT GCAAGGGCCG CCACGAGGAC GAGAGCCGTA CAGTGCTTCA CGTGCTGGGG GACAGGACCT ATTGCAAGGC CCCCAGGCCT ACCCATGGTA GGTGCAGGCC TGTGCGCACA AGGGTACTTA ACTCCGACAC ATACCCGGAG GAGGGAAGAG GGCCTTGGCT GGGGTTCTTT GAGCGGGACT </pre> <p>GE100003, scramble sequence in pCas-Guide vector</p>



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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_025260](#), [NM_138272](#), [NM_138273](#), [NM_138274](#), [NM_138275](#), [NM_138276](#), [NM_138277](#)

UniProt ID: [O95866](#)

Synonyms: G6b; NG31

Summary: This gene is a member of the immunoglobulin (Ig) superfamily and is located in the major histocompatibility complex (MHC) class III region. The protein encoded by this gene is a glycosylated, plasma membrane-bound cell surface receptor, but soluble isoforms encoded by some transcript variants have been found in the endoplasmic reticulum and Golgi before being secreted. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:

