

Product datasheet for **KN207967**

N WASP (WASL) 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:	N WASP
Locus ID:	8976
Components:	<p>KN207967G1, N WASP gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACGTTGGTGACCCTCCGCGG</p> <p>KN207967G2, N WASP gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGGGACTCGTTCTCCTGCG</p> <p>KN207967D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</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

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TCAAGCAGCA GTAGCTGGGT TCGGGTACCC AACCGACGAG CCGAGACGCC AGAGGCCAGA GTACGAAGTT
GGAAGCCTGC GCCCAAGCC AACCGGATT CCACTTAGCT CCGCGCGGTC CGCGCCTCGG CCGGAAGGGG
GCGTGGCTTC GGGCCGCGC CGCGAGGCC GCCGCCAGT GGGGGGTTT CTCCCGGCC GCAGCCGCGC
GTTTCCGGCG CGTCCCCCG CGCCCTCCGT CCTGTGGTCT CGCCCGCCC CGTGCCATG TTGATTGTG
CGGCCCGCG CGCCGCTGCG GGAGGGTTGG GGGAGGATT GGGAGTTAG CGCAGTCGCC GGAGTGCAG
GACAACGACC ATCCGGCCCT AGCCTGGCCG GCGGGTGCC GGGAGCTTCC CTTTCTCAGC GCGGCGCGAA
GGTGGCTCGC CGTCAGCGCC TGCTCCCTC GACCTCGTCC TCCTCCCGC TCCGGAGGAG CTGCGAGATG
TGGCGCCTCT GACTCCACTT CTCCCGGCC CTGTACCGA GAGGGGGAAC GAGCTCTCGC CCACTCGCCG
GAGGAGACGG CCCTGGACTC CCAACCCCG CGGCGAAACC AAGAAATGTG TGGTCAGTGG ACGAGACCCG
CGTCGCCACC CGTGACATTA CCTCACGGG CCGGGCTTGG GGGCCGGGAA GTGGGAGTGG GGAAGGAGGC
GGGAGCGGCG CGGGCCAGG CTCCCGCCAG CCCC GGCCCC CCTCGTCGGC GCCCTCGCCC
TGCTCCCAGG GTGCGGGCCG TGGCGGTCGG GCGCCGCTT CCGGAGCTGC TGGAGAATAA GGGAGTGTCA
CCTCCGCAGG CCTGTCTCC AGCCTGGCCG GGCCTCGGCC CGCGCCCTTG CTGCTGGTTA AAACCTTATT
CTCAGGCCAC AAGGGGATTT TCTTGCAAGA GCCGCTTGGT CCTAGAATCT GGGCCCTGT TCTAGCTCTC
GCTTACCTC TTAGTGCTT ATCTGGGGT ACGTTCCTTA ACAATGCCAG GTTTGAGGAG TGGATAGGTC
GGGAAGGAA GGTGTTTTT AATCTCCCAT TAGGATTCCA GGAGGGAATG AAGTCGAGTG CAAGAGCCTG
GGCTCTTTC GGATTAGAGA GGGTGCAAGA AATGTTATTG CTCTTCGTTA AAGAGAAACA AGATTTATT
CTCTAGCAAC
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GE100003, scramble sequence in pCas-Guide vector



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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_003941](#)

UniProt ID: [O00401](#)

Synonyms: N-WASP; NWASP; WASPB

Summary: This gene encodes a member of the Wiskott-Aldrich syndrome (WAS) protein family. Wiskott-Aldrich syndrome proteins share similar domain structure, and associate with a variety of signaling molecules to alter the actin cytoskeleton. The encoded protein is highly expressed in neural tissues, and interacts with several proteins involved in cytoskeletal organization, including cell division control protein 42 (CDC42) and the actin-related protein-2/3 (ARP2/3) complex. The encoded protein may be involved in the formation of long actin microspikes, and in neurite extension. [provided by RefSeq, Jul 2013]

Product images:

