

Product datasheet for **KN208769**

DDX1 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:	DDX1
Locus ID:	1653
Components:	<p>KN208769G1, DDX1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGAGTTTCCACAAACGCAC</p> <p>KN208769G2, DDX1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGGTCCATCAGGGACTGCAG</p> <p>KN208769D, 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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TGCAAAGAGA AAGGAGTTAA AATTGCATGG AAGTCAAACC CGAAATTATA AAAGCGACAT CAAACATGGG
TGAAGGGGAGG GAGACCTAAA TCATTACTTA GTTTAAAAAA AAAATGTAAC AAATACCTAC TGGCTGCCAG
GCACTCACTG GCATTGGTGC TCAGGGCAAT GAATCCAGTC CATCTCTCCG GGTCAATCAC ACACCAAGGC
CCTGCTCACC TTTGAAAAGC TGGGGGACTG AGTGGGGAGG GCACGGTGTG GTGTACGCT GAGCCCACTG
GATGACCCTA ATCACCAAAC ATCTGCTTCC TTCTCTGTAG CTGTGACCCT GATACCGCT GGTGTGCTCC
GAACACATGG TGCCAGAAC GAAGGCGGCG TCCAGAAGCC CTAGGTCCCA GAGGTCCGCT CAGCGGCAGG
CGCATAAGGC GGGGCCGGCG CGGGCCTTTC CTTCATCGG AACCGTTCTC CCGGGGCTGA GTCCTGCCC
GGACTCCGAA CGCCGAAGAC CAGGGGCCGG AAGCGCGCGC CGCCACTGCC ACGCCGTGTC AGTCGGGAGG
GAGGGAGCGA GCAGGCGAAG CCGCGGAGGA CGGGGTGAAG GCCGCGGCTC GGGTTCGGAG GACGATTCTT
CCCAGGAGCG GGCCGGAACG TCCCTCCCC TGCCCTTTC CTTCTACCAG TCTCCACTTG GCTTTCCTGC
CAGTGCACCT TCGGCTGCAA AATCTAGGCG GCGGCGTTGC TCTGGCGGCT CCCAGACGCC TGGGCCTCCT
GCCTCTTAAC GTGGCAGTGA CCCTTTGGA ACCCTTTTCT GCCCGGCT CATCTGGCT TGGCCAGGCA
GAGAGGCGAG ACGGCGTGGG GAGGAGTCAT TGGGAAAAA TGACGATCCT GCCTCTGTCC AGTTTTTTCA
GGCCCTTCCA AAACGTCCA GGCATAAACC TGATCTTAT TTGTTCTTAA ACGTTGTAT ATCAACATTA
ATGTTCAAGT TGAAGCTAA AGGAAAAGCA TTTTCATTAA CGTACGCACC AGTCCAACAT AAGTTTGGAA
AATTCATATT TATTTGCCGT CTGCTACCT CCTTTATTCC AAATATGATT TGATATGGCT TATCGAACCC
TACAGTTGAT ATTTTCGCCT CTTGCTTAT CATCCTCTG TTAGGCATCC AGTTTTAGGA AGCTGTAATC
AGCCTTAAAT
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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_004939](#)

UniProt ID: [Q92499](#)

Synonyms: DBP-RB; UKVH5d

Summary: DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein of unknown function. It shows high transcription levels in 2 retinoblastoma cell lines and in tissues of neuroectodermal origin. [provided by RefSeq, Jul 2008]

Product images:

