

Product datasheet for KN202209BN

Hsc70 (HSPA8) 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: Hsc70 Locus ID: 3312 KN202209G1, Hsc70 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **Components:** KN202209G2, Hsc70 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN202209BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. 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 006597, NM 153201 **UniProt ID:** P11142 Synonyms: HEL-33; HEL-S-72p; HSC54; HSC70; HSC71; HSP71; HSP73; HSPA10; LAP-1; LAP1; NIP71 Summary: This gene encodes a member of the heat shock protein 70 family, which contains both heatinducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, Aug 2011]

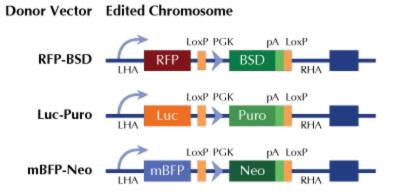


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Product images:



RFP, Luc, and mBFP will be under native gene promoter

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