

Product datasheet for **KN224540RB**

FAM178A (SLF2) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	FAM178A
Locus ID:	55719
Components:	KN224540G1 , FAM178A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN224540G2 , FAM178A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN224540RBD , donor DNA containing left and right homologous arms and RFP-BSD 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_001136123](#), [NM_001243770](#), [NM_018121](#), [NM_144592](#), [NR_024245](#)

UniProt ID: [Q8IX21](#)

Synonyms: C10orf6; FAM178A

Summary: Plays a role in the DNA damage response (DDR) pathway by regulating postreplication repair of UV-damaged DNA and genomic stability maintenance (PubMed:25931565). The SLF1-SLF2 complex acts to link RAD18 with the SMC5-SMC6 complex at replication-coupled interstrand cross-links (ICL) and DNA double-strand breaks (DSBs) sites on chromatin during DNA repair in response to stalled replication forks (PubMed:25931565). Promotes the recruitment of the SMC5-SMC6 complex to DNA lesions (PubMed:25931565).[UniProtKB/Swiss-Prot Function]



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Product images:

