

## Product datasheet for **KN200568**

### Integrin beta 4 binding protein (EIF6) 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:	Integrin beta 4 binding protein
Locus ID:	3692
Components:	<p><b>KN200568G1</b>, Integrin beta 4 binding protein gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGTTGTTCTCGAACGAAGCT</p> <p><b>KN200568G2</b>, Integrin beta 4 binding protein gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCCGATCGCTACCAGACAGT</p> <p><b>KN200568D</b>, 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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TGGGGGATCA TGTAACCTCGC CTT

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**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\\_001267810](#), [NM\\_002212](#), [NM\\_181466](#), [NM\\_181467](#), [NM\\_181468](#), [NM\\_181469](#), [NR\\_052022](#), [NR\\_052023](#), [NR\\_052024](#)

**UniProt ID:**

[P56537](#)

**Synonyms:**

b(2)gcn; CAB; eIF-6; EIF3A; ITGB4BP; p27(BBP); p27BBP

**Summary:**

Hemidesmosomes are structures which link the basal lamina to the intermediate filament cytoskeleton. An important functional component of hemidesmosomes is the integrin beta-4 subunit (ITGB4), a protein containing two fibronectin type III domains. The protein encoded by this gene binds to the fibronectin type III domains of ITGB4 and may help link ITGB4 to the intermediate filament cytoskeleton. The encoded protein, which is insoluble and found both in the nucleus and in the cytoplasm, can function as a translation initiation factor and prevent the association of the 40S and 60S ribosomal subunits. Multiple non-protein coding transcript variants and variants encoding two different isoforms have been found for this gene.

[provided by RefSeq, Jun 2012]

Product images:

