

Product datasheet for **KN202074BN**

PAM Human Gene Knockout Kit (CRISPR)

Product data:

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| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control |
| Donor DNA: | mBFP-Neo |
| Symbol: | PAM |
| Locus ID: | 5066 |
| Components: | <p>KN202074G1, PAM gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN202074G2, PAM gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN202074BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p> |
| RefSeq: | <p><u>NM_000919</u>, <u>NM_001177306</u>, <u>NM_001319943</u>, <u>NM_138766</u>, <u>NM_138821</u>, <u>NM_138822</u>, <u>NR_033440</u>, <u>NM_001364582</u>, <u>NM_001364584</u>, <u>NM_001364586</u>, <u>NM_001364588</u>, <u>NM_001364589</u>, <u>NM_001364590</u>, <u>NM_001364593</u>, <u>NM_001364583</u>, <u>NM_001364585</u>, <u>NM_001364587</u>, <u>NM_001364591</u>, <u>NM_001364592</u>, <u>NM_001364594</u>, <u>NR_157231</u></p> |
| UniProt ID: | <u>P19021</u> |
| Synonyms: | PAL; PHM |
| Summary: | <p>This gene encodes a multifunctional protein. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme includes two domains with distinct catalytic activities, a peptidylglycine alpha-hydroxylating monooxygenase (PHM) domain and a peptidyl-alpha-hydroxyglycine alpha-amidating lyase (PAL) domain. These catalytic domains work sequentially to catalyze the conversion of neuroendocrine peptides to active alpha-amidated products. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]</p> |



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Product images:

