

Product datasheet for **SC125565**

Kallikrein 12 (KLK12) (NM_145894) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Kallikrein 12 (KLK12) (NM_145894) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Kallikrein 12 |
| Synonyms: | KLK-L5; KLKL5 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_145894, the custom clone sequence may differ by one or more nucleotides |

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ATGGGGCTCAGCATCTTTTTGCTCCTGTGTGTTCTTGGGCTCAGCCAGGCAGCCACACCGAAGATTTTCA
ATGGCACTGAGTGTGGGCGTAACTCACAGCCGTGGCAGGTGGGGCTGTTTGAGGGCACCAGCCTGCGCTG
CGGGGGTGTCTTATTGACCACAGGTGGGTCTCACAGCGGCTCACTGCAGCGGCAGCAGGTACTGGGTG
CGCCTGGGGGAACACAGCCTCAGCCAGCTCGACTGGACCGAGCAGATCCGGCACAGCGGCTTCTCTGTGA
CCCATCCCGGCTACCTGGGAGCCTCGACGAGCCACGAGCAGCAGCTCCGGCTGCTGCGGCTGCGCTGCC
CGTCCCGTAACCAGCAGCGTTCAACCCCTGCCCTGCCAATGACTGTGCAACCGCTGGCACCGAGTGC
CACGTCTCAGGCTGGGGCATACCAACCCACCGGAACCCATTCCCGGATCTGCTCCAGTGCCTCAACC
TCTCCATCGTCTCCCATGCCACCTGCCATGGTGTGTATCCCGGGAATCACGAGCAACATGGTGTGTGC
AGGCGGGTCCCAGGATGCTGCGAGGATGATTCTGGGGGCCCTGGTGTGTGGGGGAGTCCCTT
CAAGGTCTGGTGTCTGGGGTCTGTGGGGCCCTGTGGACAAGATGGCATCCCTGGAGTCTACACCTATA
TTTGCAAGTATGTGGACTGGATCCGGATGATCATGAGGAACAAGTGA
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| Restriction Sites: | Please inquire |
| ACCN: | NM_145894 |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |



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| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | <u>NM_145894.1</u> , <u>NP_665901.1</u> |
| RefSeq Size: | 1074 bp |
| RefSeq ORF: | 747 bp |
| Locus ID: | 43849 |
| UniProt ID: | <u>Q9UKR0</u> |
| Cytogenetics: | 19q13.41 |
| Protein Families: | Druggable Genome, Protease, Secreted Protein |
| Gene Summary: | <p>Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Alternate splicing of this gene results in three transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses alternate splice sites in the 3' coding region, as compared to variant 1. Isoform 2 has a distinct C-terminus compared to isoform 1.</p> |