

## Recombinant Human KLK11 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** KLK11-858H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | KLK11 MS Standard C13 and N15-labeled recombinant protein (NP_006844) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | 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 and the use of alternate promoters results in multiple transcript variants encoding distinct isoforms which are differentially expressed. |
| <b>Molecular Mass</b>   | 27.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MRILQLILLALATGLVGGETRIIKGFECKPHSQPWQAALFEKTRLLCGATLIAPRWLLT<br>AAHCLKPRYIVHLGQHNLQKEEGCEQTRTATESFPHPGFNNSLPNKDHRNDIMLVK<br>MASPV SITWAVRPLTLSSRCVTAGTSC LISGWGSTSSPQLRLPHTLR CANITII EHQK<br>CENAYPGNITDTMVCASVQEGGKDSCQGDGGPLVCNQSLQGIISWGQDPCAITRK<br>PGVYTKVCKYVDWIQETMKNNTTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

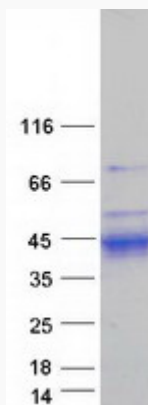
## GENE INFORMATION

|                        |                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | KLK11 kallikrein-related peptidase 11 [ Homo sapiens (human) ]                                                                                                                     |
| <b>Official Symbol</b> | KLK11                                                                                                                                                                              |
| <b>Synonyms</b>        | KLK11; kallikrein-related peptidase 11; kallikrein 11, PRSS20; kallikrein-11; TLSP; hK11; hippostasin; kallikrein 11; serine protease 20; trypsin-like protease; PRSS20; MGC33060; |
| <b>Gene ID</b>         | 11012                                                                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_006853                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_006844                                                                                                                                                                          |
| <b>MIM</b>             | 604434                                                                                                                                                                             |
| <b>UniProt ID</b>      | Q9UBX7                                                                                                                                                                             |

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**SDS-PAGE**

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