

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

**Cat. No.** STIMATE-6046H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | TMEM110 MS Standard C13 and N15-labeled recombinant protein (NP_940965) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | STIMATE (STIM Activating Enhancer) is a Protein Coding gene. Diseases associated with STIMATE include Ascaridiasis and Stormorken Syndrome. An important paralog of this gene is STIMATE-MUSTN1.                                                                                                                                                           |
| <b>Molecular Mass</b>   | 33.2 kDa                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MQGPAGNASRGLPGGPPSTVASGAGRCESGALMHSFGIFLQGLLGVVAFSTLMLK<br>RFREPKHERRPWRIWFLDTSKQAIGMLFIHFANVYLADLTEEDPCSLYLINFLLDATV<br>GMLLIYVGVRVSVLVVEWQQWESLRFGEYGDPLQCGAWVGQCALYIVIMIFEKSVV<br>FIVLLILQWKKVALLNPIENPDLKLAIVMLIVPFFVNALMFVVVDNFLMRKGKTKAKLE<br>ERGANQDSRNGSKVRYRRAASHEESESEILISADDEMEESDVEEDLRRRLTPLKPVK<br>KKKHRFGLPVTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                 |

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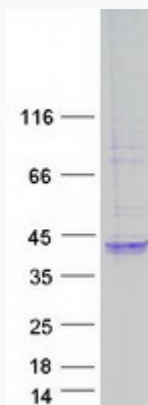
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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -80 centigrade. Avoid 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.                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                    |
| <b>Gene Name</b>        | STIMATE STIM activating enhancer [ Homo sapiens (human) ]                                                                                                          |
| <b>Official Symbol</b>  | STIMATE                                                                                                                                                            |
| <b>Synonyms</b>         | STIMATE; STIM activating enhancer; TMEM110; store-operated calcium entry regulator STIMATE; STIM-activating enhancer encoded by TMEM110; transmembrane protein 110 |
| <b>Gene ID</b>          | 375346                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_198563                                                                                                                                                          |
| <b>Protein Refseq</b>   | NP_940965                                                                                                                                                          |
| <b>MIM</b>              | 617189                                                                                                                                                             |
| <b>UniProt ID</b>       | Q86TL2                                                                                                                                                             |

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**SDS-PAGE**

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