

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

**Cat. No.** CTRL-4522H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CTRL MS Standard C13 and N15-labeled recombinant protein (NP_001898) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene encodes a serine-type endopeptidase with chymotrypsin- and elastase-2-like activities. The gene encoding this zymogen is expressed specifically in the pancreas and likely functions as a digestive enzyme.                                                                                                      |
| <b>Molecular Mass</b>   | 28 kDa                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MLLLSLTLSLVLLGSSWGCIPAIKPALSFSQRIVNGENAVLGSWPWQVSLQDSSGF<br>HFCGGSLISQSWVVTAAHCNVSPGRHFVVLGEYDRSSNAEPLQVLSVSRATHPSW<br>NSTTMNNDVTLLKLASPAQYTTTRISPVCLASSNEALTEGLTCVTTGWGRLSGVGNVT<br>PAHLQQVALPLVTVNQCRQYWGSSITDSMICAGGAGASSCQGDSGGPLVCQKGNT<br>WWLIGIVSWGTKNCNVRAPAVYTRVSKFSTWINQVIAYNTRTRPLEQKLISEEDLAAN<br>DILDYKDDDDKV |
| <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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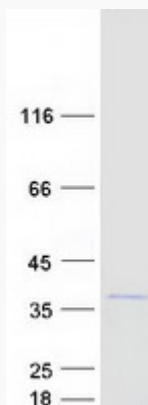
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|                         |                                                                                |
|-------------------------|--------------------------------------------------------------------------------|
| <b>Storage</b>          | Store 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>        | CTRL chymotrypsin-like [ Homo sapiens (human) ]                                |
| <b>Official Symbol</b>  | CTRL                                                                           |
| <b>Synonyms</b>         | CTRL; CTRL1; chymotrypsin-like; chymotrypsin-like protease CTRL-1; EC 3.4.21.- |
| <b>Gene ID</b>          | 1506                                                                           |
| <b>mRNA Refseq</b>      | NM_001907                                                                      |
| <b>Protein Refseq</b>   | NP_001898                                                                      |
| <b>MIM</b>              | 118888                                                                         |
| <b>UniProt ID</b>       | P40313                                                                         |

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**SDS-PAGE**

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