

# Recombinant Human LRRC8A Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** LRRC8A-4533H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | LRRC8A MS Standard C13 and N15-labeled recombinant protein (NP_062540) 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 protein belonging to the leucine-rich repeat family of proteins, which are involved in diverse biological processes, including cell adhesion, cellular trafficking, and hormone-receptor interactions. This family member is a putative four-pass transmembrane protein that plays a role in B cell development. Defects in this gene cause autosomal dominant non-Bruton type agammaglobulinemia, an immunodeficiency disease resulting from defects in B cell maturation. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. |
| <b>Molecular Mass</b>   | 94.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MIPVTELRYFADTQPAYRILKPWWVDVFTDYISIVMLMIAVFGGTLQVTQDKMICLPCK<br>WTKDSCNDSFRGWAAPGPEPTYPNSTILPTDPTGPTGIKYDLDRHQYNYVDAVCY<br>ENRLHWFAYKYPYLVLHLLIFLACSNFWFKFPTSSKLEHFVSILLKCFDSPWTTTRA<br>LSETVVEESDPKPAFSKMNGSMDKKSSTVSEDVEATVPMLQRTKSRIEQGIVDRSE<br>TGVLDKKEGEQAKALFEKVKKFRTHVEEGDIVRLYMRQTIKVIKFIICITVYYYVHNI                                                                                                                                                                                                                                                                                                          |

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KFDVDCTVDIESLTGYRTYRCAHPLATLFKILASFYISLVIFYGLICMYTLWWMLRRSL  
 KKYSFESIREESSYSDIPDVKNDFAFMLHLIDQYDPLYSKRFAVFLSEVSENKLRQLN  
 LNNEWTLDKLRQRLTKNAQDKLELHLFMLSIPDVTDFDLVELEVLELIPDVTIPPSI  
 AQLTGLKELWLYHTAAKIEAPALAFLENLRALHIKFTDIKEIPLWIYSLKLEELHLTG  
 NLSAENNRYIVIDGLRELKRLKVLRLKSNLSKLPQVVTDVGVHLQKLSINNEGTKLIVL  
 NSLKMANLTELELIRCDLERIPHSIFSLHNLQEIDLKDNNLKTIEEISFQHLHRLTCLK  
 LWYNHAIYIPIQIGNLTNLERLYLNRNKIEKIPTQLFYCRKLRYLDLSHNNLTFLPADIGL  
 LQNLQNLAITANRIETLPPELFQCRKLRLHLGNNVLQSLPSRVGELTNLTQIELRGN  
 RLECLPVELGECPLLKRSGLVVEEDLFNTLPPEVKERLWRADKEQATRTRPLEQKLI  
 SEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** LRRC8A leucine rich repeat containing 8 VRAC subunit A [ Homo sapiens (human) ]

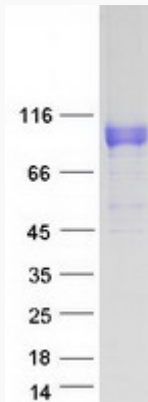
**Official Symbol** LRRC8A

**Synonyms** LRRC8A; leucine rich repeat containing 8 VRAC subunit A; AGM5; LRRC8; SWELL1; volume-regulated anion channel subunit LRRC8A; leucine rich repeat containing 8 family member A; leucine-rich repeat-containing protein 8A; swelling protein 1

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|----------------|-------------------------------------------------------------------------------------|
| Gene ID        | 56262                                                                               |
| mRNA Refseq    | NM_019594                                                                           |
| Protein Refseq | NP_062540                                                                           |
| MIM            | 608360                                                                              |
| UniProt ID     | Q8IWT6                                                                              |
| SDS-PAGE       |  |