

# Recombinant Human LRRC8 Mutant (R262W) Protein, Myc/DDK-tagged

**Cat. No.** LRRC8A-057H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified mutant recombinant protein of Human SH2B adaptor protein 3 (SH2B3), mutation at (R262W) with a Myc/DDK tag was expressed in HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <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>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>        | Stable for at least 12 months from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration** > 50 µg/mL as determined by microplate Bradford method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

## 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

**Gene ID** 56262

**mRNA Refseq** NM\_019594

**Protein Refseq** NP\_062540

**MIM** 608360

**UniProt ID** Q8IWT6

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**SDS-PAGE**

Purified recombinant protein LRRC8 (R262W) was analyzed by SDS-PAGE gel and Coomassie Blue Staining.

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