

## Recombinant Mouse Fuz Protein, Myc/DDK-tagged

**Cat. No.** Fuz-3111M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length fuzzy planar cell polarity protein (Fuz), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | Probable planar cell polarity effector involved in cilium biogenesis. May regulate protein and membrane transport to the cilium. Proposed to function as core component of the CPLANE (ciliogenesis and planar polarity effectors) complex involved in the recruitment of peripheral IFT-A proteins to basal bodies. May regulate the morphogenesis of hair follicles which depends on functional primary cilia. |
| <b>Molecular Mass</b>   | 46 kDa                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                      |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                            |

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## GENE INFORMATION

|                 |                                                                       |
|-----------------|-----------------------------------------------------------------------|
| Gene Name       | Fuz fuzzy planar cell polarity protein [ Mus musculus (house mouse) ] |
| Official Symbol | Fuz                                                                   |
| Synonyms        | FUZ; fuzzy homolog (Drosophila); protein fuzzy homolog; 2600013E07Rik |
| Gene ID         | 70300                                                                 |
| mRNA Refseq     | NM_027376                                                             |
| Protein Refseq  | NP_081652                                                             |
| UniProt ID      | Q3UYI6                                                                |

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