

# Recombinant Mouse Hook1 Protein, Myc/DDK-tagged

**Cat. No.** Hook1-3428M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Purified recombinant protein of mouse full-length hook microtubule tethering protein 1 (Hook1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Required for spermatid differentiation. Probably involved in the positioning of the microtubules of the manchette and the flagellum in relation to the membrane skeleton. Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). |
| <b>Molecular Mass</b>   | 84.4 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       | Hook1 hook microtubule tethering protein 1 [ Mus musculus (house mouse) ]                                              |
| Official Symbol | Hook1                                                                                                                  |
| Synonyms        | HOOK1; hook homolog 1 (Drosophila); protein Hook homolog 1; mHK1; abnormal spermatozoon head shape; azh; A930033L17Rik |
| Gene ID         | 77963                                                                                                                  |
| mRNA Refseq     | NM_030014                                                                                                              |
| Protein Refseq  | NP_084290                                                                                                              |
| UniProt ID      | Q8BIL5                                                                                                                 |

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