# Recombinant Mouse Grhl1 Protein, Myc/DDK-tagged

**Cat. No.** Grhl1-3304M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Purified recombinant protein of mouse full-length grainyhead like transcription factor 1 (Grhl1), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| **Species** | Mouse |
| **Source** | HEK293 |
| **Description** | Transcription factor involved in epithelial development. Binds directly to the consensus DNA sequence 5'-AACCGGTT-3'. Important regulator of DSG1 in the context of hair anchorage and epidermal differentiation, participates in the maintenance of the skin barrier. There is no genetic interaction with GRHL3 no genetic interaction with GRHL3, no functional cooperativity due to diverse target gene selectivity during epithelia development. |
| **Molecular Mass** | 70.2 kDa |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **Storage** | Store at -80 centigrade after receiving vials. |
| **Concentration** | >50 μg/mL as determined by microplate BCA method |

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

## GENE INFORMATION

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| **Gene Name** | Grhl1 grainyhead like transcription factor 1 [ Mus musculus (house mouse) ] |
| **Official Symbol** | Grhl1 |
| **Synonyms** | GRHL1; grainyhead-like 1 (Drosophila); grainyhead-like protein 1 homolog; p61 MGR; p70 MGR; grainyhead like 1; mammalian grainyhead; transcription factor LBP-32; transcription factor CP2-like 2; MGR; LBP-32; Tcfcp2l2 |
| **Gene ID** | 195733 |
| **mRNA Refseq** | NM_001161406 |
| **Protein Refseq** | NP_001154878 |
| **UniProt ID** | Q921D9 |

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