

# Recombinant Human ID1 protein, Arginine-tagged

**Cat. No.** ID1-146H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant human ID1 protein fused with 11 arginine domain at C-terminal, which efficiently delivery protein intracellularly, was expressed in E. coli.                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                           |
| <b>Form</b>             | 1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.                                                                                                                       |
| <b>AA Sequence</b>      | KVASGSTATAAAGPSCALKAGKTASGAGEVVRCLSEQSVAISRCAGGAGARLPALL<br>DEQQVNVLLYDMNGCYSRL KELVPTLPQNRKVSKEILQHVIDYIRDLQLELNSESE<br>VGTPGGRGLPVRAPLSTLNGEISALTAEAAACVPADDR ILCRLEESGGGGSPGRRRR<br>RRRRRRR                                                                   |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | 1. Protein transduction for epithelial cells in vitro cell differentiation.2. Active recombinant protein, may be used for ELISA based DNA/Protein binding assay.3. As specific protein substrate for kinase assay.4. Immunogen for specific antibody production. |
| <b>Storage</b>          | Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.                                                                                                                                                                              |

## GENE INFORMATION

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ID1 inhibitor of DNA binding 1, dominant negative helix-loop-helix protein [ Homo sapiens ]                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>     | ID1                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | ID1; dJ857M17.1.2; DNA binding protein inhibitor ID 1; inhibitor of differentiation 1; class B basic helix-loop-helix protein 24;                                                                                                                                                                                                  |
| <b>Gene ID</b>             | 3397                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>         | NM_002165                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_002156                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>                 | 600349                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          | P41134                                                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 20q11                                                                                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | ALK1 signaling events, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; Id Signaling Pathway, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem; |
| <b>Function</b>            | protein binding;                                                                                                                                                                                                                                                                                                                   |