

## Recombinant Full Length Human ID3 Protein, C-Flag-tagged

Cat. No. ID3-1176HFL    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human ID3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                           |
| <b>Description</b>      | The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with other HLH proteins. However, the encoded protein lacks a basic DNA-binding domain and therefore inhibits the DNA binding of any HLH protein with which it interacts. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 12.8 kDa                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MKALSPVRGCIYEAVCCLSERSLAIARGRGKGPAEEPLSLDDMNHCSRLRELVP<br>GVPRGTQLSQVEIL<br>QRVIDYILDLQVVLAEPAPGPPDGPLPIQTAELAPELVISNDKRSFCHTRTRPLEQKL<br>ISEEDLAANDILDYKDDDDKV                                                                                                           |
| <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.                                                                                                                             |

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|-------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -80 centigrade.                                                                                         |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| <b>Protein Families</b> | Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors                                             |
| <b>Protein Pathways</b> | TGF-beta signaling pathway                                                                                       |
| <b>Full Length</b>      | Full L.                                                                                                          |

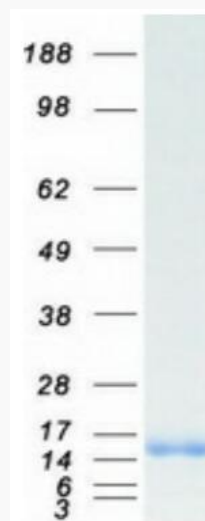
## GENE INFORMATION

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Gene Name</b>       | ID3 inhibitor of DNA binding 3 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | ID3                                                     |
| <b>Synonyms</b>        | HEIR-1; bHLHb25                                         |
| <b>Gene ID</b>         | 3399                                                    |
| <b>mRNA Refseq</b>     | NM_002167.5                                             |
| <b>Protein Refseq</b>  | NP_002158.3                                             |
| <b>MIM</b>             | 600277                                                  |
| <b>UniProt ID</b>      | Q02535                                                  |

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Coomassie blue staining of purified ID3 protein.

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