

# Recombinant Human TGIF2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** TGIF2-2401H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | TGIF2 MS Standard C13 and N15-labeled recombinant protein (NP_068581) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The protein encoded by this gene is a DNA-binding homeobox protein and a transcriptional repressor, which appears to repress transcription by recruiting histone deacetylases to TGF beta-responsive genes. This gene is amplified and over-expressed in some ovarian cancers. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 1. Read-through transcription also exists between this gene and the neighboring downstream C20orf24 (chromosome 20 open reading frame 24) gene. |
| <b>Molecular Mass</b>   | 25.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MSDSDLGEDEGLLSLAGKRKRGNLPKESVKILRDWLYLHRYNAYPSEQEKLSSLG<br>QTNLSVLQICNWFINARRLLPDMLRKDGKDPNQFTISRRGGKASDVALPRGSSPS<br>VLAVSVPAPTNVLSLVCSMPLHSGQGKEKPAAPFPRGELESPKPLVTPGSTLTLLTR<br>AEAGSPTGGLFNTPPPTPPEQDKEDFSSFQLLVEVALQRAAEMELQKQQDPSLPLL<br>HTPIPLVSENPQTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

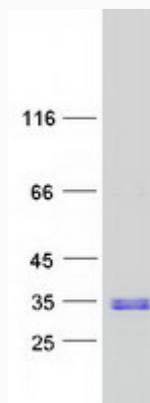
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TGIF2 TGFB-induced factor homeobox 2 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | TGIF2                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | TGIF2; TGFB-induced factor homeobox 2; TGFB induced factor 2 (TALE family homeobox); homeobox protein TGIF2; 5-TG-3 interacting factor 2; TGF-beta-induced transcription factor 2; TGF(beta)-induced transcription factor 2; TGFB-induced factor 2 (TALE family homeobox); transcription growth factor-beta-induced factor 2; |
| <b>Gene ID</b>         | 60436                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_021809                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>  | NP_068581                                                                                                                                                                                                                                                                                                                     |
| <b>MIM</b>             | 607294                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>      | Q9GZN2                                                                                                                                                                                                                                                                                                                        |

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**SDS-PAGE**

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