

## Product datasheet for PH300773

### TGF beta induced factor 2 (TGIF2) (NM\_021809) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TGIF2 MS Standard C13 and N15-labeled recombinant protein (NP_068581)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200773
Predicted MW:	25.9 kDa
Protein Sequence:	>RC200773 protein sequence Red=Cloning site Green=Tags(s)  MSDSDLGEDEGLLSLAGKRKRRGNLPKESVKILRDWLYLHRYNAYPSEQEKLSSGQTNLSVLQICNWF NARRRLLPDMLRKDGKDPNQFTISRGGKASDVALPRGSSPSVLAVSVPAPTNVLSLVCMSPLHSGQGE KPAAPFPRGELESPKPLVTPGSTLTLLTRAEGSPTGGLFNTPPPTPPEQKEDFSSFQLLEVALQRAA EMELQKQDPSLPLLHTPIPLVSENQ  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_068581</a>
RefSeq Size:	3415
RefSeq ORF:	711
Locus ID:	60436
UniProt ID:	<a href="#">Q9GZN2</a>
Cytogenetics:	20q11.23



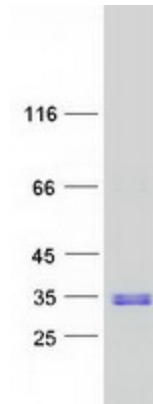
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**Summary:**

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. [provided by RefSeq, Dec 2010]

**Protein Families:**

Transcription Factors

**Product images:**

Coomassie blue staining of purified TGIF2 protein (Cat# [TP300773]). The protein was produced from HEK293T cells transfected with TGIF2 cDNA clone (Cat# [RC200773]) using MegaTran 2.0 (Cat# [TT210002]).