

Product datasheet for TP760015

TGIF (TGIF1) (NM_173208) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human TGFB-induced factor homeobox 1 (TGIF1), transcript variant 3, full length, with N-terminal HIS tag, expressed in E.Coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length TGIF1
Tag:	N-His
Predicted MW:	29.6 kDa
Concentration:	>0.05 μ g/ μ L as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Stability: RefSeq:	
-	handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: Locus ID:	handling conditions. Avoid repeated freeze-thaw cycles. <u>NP_775300</u> 7050
RefSeq: Locus ID: UniProt ID:	handling conditions. Avoid repeated freeze-thaw cycles. <u>NP_775300</u> 7050 <u>Q15583</u>
RefSeq: Locus ID: UniProt ID: RefSeq Size:	handling conditions. Avoid repeated freeze-thaw cycles. <u>NP 775300</u> 7050 <u>Q15583</u> 1890
RefSeq: Locus ID: UniProt ID: RefSeq Size: Cytogenetics:	handling conditions. Avoid repeated freeze-thaw cycles. <u>NP_775300</u> 7050 <u>Q15583</u> 1890 18p11.31



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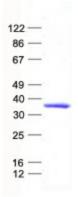
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GRIGENE TGIF (TGIF1) (NM_173208) Human Recombinant Protein – TP760015

- Summary: The protein encoded by this gene is a member of the three-amino acid loop extension (TALE) superclass of atypical homeodomains. TALE homeobox proteins are highly conserved transcription regulators. This particular homeodomain binds to a previously characterized retinoid X receptor responsive element from the cellular retinol-binding protein II promoter. In addition to its role in inhibiting 9-cis-retinoic acid-dependent RXR alpha transcription activation of the retinoic acid responsive element, the protein is an active transcriptional co-repressor of SMAD2 and may participate in the transmission of nuclear signals during development and in the adult. Mutations in this gene are associated with holoprosencephaly type 4, which is a structural anomaly of the brain. Alternative splicing has been observed at this locus and multiple splice variants encoding distinct isoforms are described. [provided by RefSeq, Jul 2013]
- Protein Families:Druggable Genome, Stem cell Pluripotency, Stem cell relevant signaling TGFb/BMP
signaling pathway, Transcription Factors

Product images:



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