

## Product datasheet for TP301579M

### IRF6 (NM\_006147) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interferon regulatory factor 6 (IRF6), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201579 protein sequence Red=Cloning site Green=Tags(s)

MALHPRRVRLKPWLVAQVDSGLYPGLIWLHRDSKRFQIPWKHATRHSPQQEEENTIFKAWAVETGKYQEG  
VDDPDPKAKWAQLRCALNKSREFNLMYDGTKEVPMNPVKIYQVCDIPQPQGSIIINPGSTGSAPWDEKDND  
VDEEDEEDELDSQHHVPIQDTPFLNINGSMPMAPASVGNCSVGNCSPEAVWPKTEPLEMEVPQAPIQPF  
YSSPELWISSLPMTDLDIKFQYRGKEYGQTMTVSNPQGCRFLFYGDLGPMPDQEELFGPVSLEQVKFPGPE  
HITNEKQKLFTSKLLDVMMDRGLILEVSGHAIYAIRLCQCKVYWSGPCAPSLVAPNLIERQKKVKLFCLET  
FLSDLIAHQKGQIEKQPPFEIYLCFGEWPDGKPLERKLILVQVIPVWARMYEMFSGDFTRSFDSGSVR  
LQISTPDIKDNIVAQLKQLYRILQTQESWQPMQPTPSMQLPPLPPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	52.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
RefSeq:	<a href="#">NP_006138</a>



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Locus ID: 3664

UniProt ID: [O14896](#), [G0Z349](#)

RefSeq Size: 4505

Cytogenetics: 1q32.2

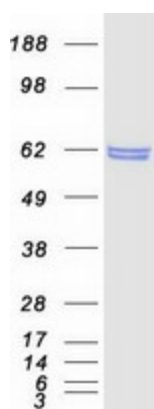
RefSeq ORF: 1401

Synonyms: LPS; OFC6; PIT; PPS; PPS1; VWS; VWS1

**Summary:** This gene encodes a member of the interferon regulatory transcription factor (IRF) family. Family members share a highly-conserved N-terminal helix-turn-helix DNA-binding domain and a less conserved C-terminal protein-binding domain. The encoded protein may be a transcriptional activator. Mutations in this gene can cause van der Woude syndrome and popliteal pterygium syndrome. Mutations in this gene are also associated with non-syndromic orofacial cleft type 6. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2011]

**Protein Families:** ES Cell Differentiation/IPS, Transcription Factors

### Product images:



Coomassie blue staining of purified IRF6 protein (Cat# [TP301579]). The protein was produced from HEK293T cells transfected with IRF6 cDNA clone (Cat# [RC201579]) using MegaTran 2.0 (Cat# [TT210002]).