

Recombinant Human IRF6

Cat. No. IRF6-28727TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human IRF6 with N-terminal proprietary tag. Predicted MW 36.63kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	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.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed in normal mammary epithelial cells. Expression is reduced or absent in breast carcinomas.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	PFEIYLCFGEEWPDGKPLERKLILVQVIPVVARMIYEMFSGDFTRSFDSGSVRLQIST PDIKDNIVAQLKQLYRILQTQESWQPMQPTPSMQLPPALPPQ
Sequence Similarities	Belongs to the IRF family. Contains 1 IRF tryptophan pentad repeat DNA-binding domain.

GENE INFORMATION

Gene Name	IRF6 interferon regulatory factor 6 [Homo sapiens]
Official Symbol	IRF6
Synonyms	IRF6; interferon regulatory factor 6; LPS, Van der Woude syndrome , VWS; OFC6; VWS1;
Gene ID	3664
mRNA Refseq	NM_001206696
Protein Refseq	NP_001193625
MIM	607199
Uniprot ID	O14896
Chromosome Location	1q32.2-q32.3

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Pathway

Apoptosis, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Interferon alpha/beta signaling, organism-specific biosystem;

Function

DNA binding; protein binding; regulatory region DNA binding; sequence-specific DNA binding transcription factor activity;

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