

# Recombinant Full Length Human DEAF1 Protein, GST-tagged

**Cat. No.** DEAF1-2412HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DEAF1 full-length ORF ( NP_066288.2, 1 a.a. - 565 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 565 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes a zinc finger domain-containing protein that functions as a regulator of transcription. The encoded proteins binds to its own promoter as well as to that of several target genes. Activity of this protein is important in the regulation of embryonic development. Mutations in this gene have been found in individuals with autosomal dominant cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014] |
| <b>Molecular Mass</b>   | 85.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | <p>MEDSDSAAKQLGLAEAAAVAAAAVAAAAAAGGEAEEPVLSRDEDSEEDADSEA<br/> ERETPRVTAVAVMAAEPGHMDMGAEALPGPDEAAAAAFAEVTTVTVANVGAAAD<br/> NVFTTSVANAASISGHVLSGRTALQIGDSLNTKATLIVVHTDGSIVETTGLKGPAAPL<br/> TPGPQSPPTPLAPGQEKGGTKYNWDPSVYDSELPVRCRNISGTLYKNRLGSGGRG<br/> RCIKQGENWYSPTEFEAMAGRASSKDWKRSIRYAGRPLQCLIQDGILNPHAASCTC<br/> AACCCDDMTLSGPVRLFPYKRRKKENELPTTPVKKDSPKNITLLPATAATTFTVTPS<br/> GQITTSALTDFDRASTVEATAVISESPAQGDVFAGATVQEASVQPPCRASHPEPHYP</p>                                       |

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GYQDSCQIAPFPEAALPTSHPKIVLTSLPALAVPPPTPTKAAPPALVNGLELSEPRSW  
 LYLEEMVNSLLNTAQQLKTLFEQAKHASTYREAATNQAKIHADAERKEQSCVNCGR  
 EAMSECTGCHKVNYCSTFCQRKDWKDHQHICGQSAAVTVQADEVHVAESVMEKV  
 TV

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes** Best use within three months from the date of receipt of this protein.

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** DEAF1 deformed epidermal autoregulatory factor 1 (Drosophila) [ Homo sapiens ]

**Official Symbol** DEAF1

**Synonyms** DEAF1; deformed epidermal autoregulatory factor 1 (Drosophila); deformed epidermal autoregulatory factor 1 homolog; NUDR; SPN; ZMYND5; suppressin; zinc finger MYND domain-containing protein 5; nuclear DEAF-1-related transcriptional regulator;

**Gene ID** 10522

**mRNA Refseq** NM\_021008

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|                |           |
|----------------|-----------|
| Protein Refseq | NP_066288 |
| MIM            | 602635    |
| UniProt ID     | O75398    |

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