

# Recombinant Human Jun dimerization protein 2, His-tagged

Cat. No. JDP2-553H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	JDP2, 1-163aa, Human His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-163 a.a.
<b>Description</b>	<p>Jun dimerization protein 2, also known as JDP2, is a component of the AP-1 transcription factor that represses transactivation mediated by the Jun family of proteins. This protein is involved in a variety of transcriptional responses associated with AP-1 such as UV-induced apoptosis, cell differentiation, tumorigenesis and antitumogeneris. JDP2 can also function as a repressor by recruiting histone deacetylase 3/HDAC3 to the promoter region of JUN. It may control transcription via direct regulation of the modification of histones and the assembly of chromatin. Recombinant human JDP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p>
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 1mM DTT, 1mM EDTA, 250mM imidazole
<b>Molecular Mass</b>	21.2 kDa (187aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMMMPGQI PDPSVTTGSL PGLGPLTGLP SSALTVEELK YADIRNLGAM IAPLHFLEVK LGKRPQPVKS ELDEEEERRK

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RRREKNKVAA ARCRNKKKER TEFLQRESER LELMNAELKT QIEELKQERQ  
 QLILMLNRHR PTCIVRTDSV KTPESEGNPL LEQLEKK

**Purity** >90% by SDS - PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [JDP2 Jun dimerization protein 2 \[ Homo sapiens \]](#)

**Official Symbol** JDP2

**Synonyms** JDP2; Jun dimerization protein 2; jun dimerization protein 2; JUNDM2; progesterone receptor co activator; progesterone receptor co-activator;

**Gene ID** [122953](#)

**mRNA Refseq** [NM\\_001135047](#)

**Protein Refseq** [NP\\_001128519](#)

**MIM** [608657](#)

**UniProt ID** [Q8WYK2](#)

**Chromosome Location** 14q24.2

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**Pathway**

ATF-2 transcription factor network, organism-specific biosystem;

**Function**

double-stranded DNA binding; protein heterodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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