

Recombinant Human Jun dimerization protein 2, His-tagged

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

SPECIFICATION

Product Overview	JDP2, 1-163aa, Human His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-163 a.a.
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 1mM DTT, 1mM EDTA, 250mM imidazole
Molecular Mass	21.2 kDa (187aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMMPGQI PDPSVTTGSL PGLGPLTGLP SSALTVEELK YADIRNLGAM IAPLHFLEVK LGKRPQPVKS ELDEEEERRK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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