Recombinant human JDP2 protein

Catalog Number: ATGP2068

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-163aa

UniProt No.
Q8WYK2

NCBI Accession No.
NP_569736

Alternative Names
Jun dimerization protein 2, Jun dimerization protein 2, JuNDM2

PRODUCT SPECIFICATION

Molecular Weight
21.2 kDa (187aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 1mM DTT, 1mM EDTA, 250mM imidazole

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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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.

Amino acid Sequence

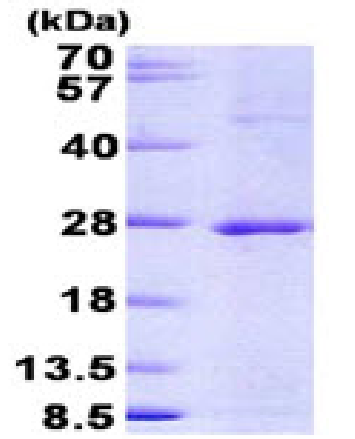
MGSSHHHHHH SSGLVPRGSH MGSHMMPGQI PDPSVTTGSL PGLGPLTGLP SSALTVEELK YADIRNLGAM IAPLHFLEVK LGKRPQPVKS ELDEEEERRK RRREKNKVAA ARCRNKKKER TEFLQRESER LELMNAELKT QIEELKQERQ QLILMLNRHR PTCIVRTDSV KTPESEGNPL LEQLEKK

General References

Kawaida R., et al. (2003) J. Exp. Med. 197:1029-1035
Jin C., et al. (2006) Nat. Struct. Mol. Biol. 13:331-338

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.