
Product Data Sheet

Product Name: JDP2 Human
 Cat. No.: GP23724
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Jun dimerization protein 2; JDP2; JUNDM2; Progesterone Receptor Co-Activator.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMMPGQI PDPSVTTGSL PGLGPLTGLP SSALTVEELK YADIRNLGAM IAPLHFLEVK LGKRPQPVKS ELDEEEERRK RRREKNKVAA ARCRNKKKER TEFLQRESER LELMNAELKT QIEELKQERQ QLILMLNRHR PTCIVRTDSV KTPSEGNPL LEQLEKK.		
Formulation	JDP2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol, 1mM DTT, 1mM EDTA and 250mM imidazole.		

Introduction

Jun dimerization protein 2 (JDP2) is a component of the AP-1 transcription factor which inhibits transactivation mediated by the Jun family of proteins. JDP2 is involved in various transcriptional responses associated with AP-1 such as UV-induced apoptosis, cell differentiation, tumorigenesis and antitumorigenesis. In addition, JDP2 can act as a repressor by recruiting histone deacetylase 3/HDAC3 to the promoter region of JUN. JDP2 controls transcription via direct regulation of the modification of histones and the assembly of chromatin.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

JDP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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chain containing 187 amino acids (1-163 a.a) and having a molecular mass of 21.2kDa. JDP2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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