

Recombinant Human JUP Protein, His-tagged

Cat. No. JUP-2351H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human JUP Protein (Pro574-Ala745) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro574-Ala745
Description	This gene encodes a major cytoplasmic protein which is the only known constituent common to submembranous plaques of both desmosomes and intermediate junctions. This protein forms distinct complexes with cadherins and desmosomal cadherins and is a member of the catenin family since it contains a distinct repeating amino acid motif called the armadillo repeat. Mutation in this gene has been associated with Naxos disease. Alternative splicing occurs in this gene; however, not all transcripts have been fully described.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.0 kDa Accurate Molecular Mass: 25 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	JUP junction plakoglobin [Homo sapiens (human)]
Official Symbol	JUP
Synonyms	JUP; junction plakoglobin; catenin (cadherin associated protein), gamma 80kDa, CTNNG; DP3; DPLI; PDGB; PKGB; catenin gamma; desmoplakin-3; gamma-catenin; desmoplakin III; catenin (cadherin-associated protein), gamma 80kDa; catenin (cadherin-associated protein), gamma (80kD); CTNNG; ARVD12;
Gene ID	3728
mRNA Refseq	NM_002230

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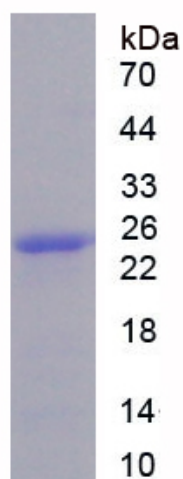
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Protein Refseq NP_002221

MIM 173325

UniProt ID P14923



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