

Product datasheet for AR50804PU-N

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Delta-sarcoglycan (57-289, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Delta-sarcoglycan (57-289, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH RSHMKVMNFT IDGMGNLRIT EKGLKLEGDS EFLQPLYAKE IQSRPGNALY FKSARNVTVN ILNDQTKVLT QLITGPKAVE AYGKKFEVKT VSGKLLFSAD NNEVVVGAER LRVLGAEGTV FPKSIETPNV RADPFKELRL ESPTRSLVME APKGVEINAE

NNEVVVGAER LRVLGAEGTV FPKSIETPNV RADPFKELRL ESPTRSLVME APKGVEINAE AGNMEATCRT ELRLESKDGE IKLDAAKIRL PRLPHGSYTP TGTRQKVFEI CVCANGRLFL

SQAGAGSTCQ INTSVCL

Tag: His-tag
Predicted MW: 28 kDa
Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Bioactivity: Specific activity is > 700 pmol/min/ug, and was obtained by measuring the increase of NADH

in absorbance at 340nm resulting from the reduction of NAD at pH 8.8 at 37C.

Preparation: Liquid purified protein

Protein Description: Recombinant human SGCD protein, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: <u>NP 000328</u>

Locus ID: 6444

UniProt ID: Q92629

Cytogenetics: 5q33.2-q33.3



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Synonyms: 35DAG; CMD1L; DAGD; LGMDR6; SG-delta; SGCDP; SGD

Summary: The protein encoded by this gene is one of the four known components of the sarcoglycan

complex, which is a subcomplex of the dystrophin-glycoprotein complex (DGC). DGC forms a link between the F-actin cytoskeleton and the extracellular matrix. This protein is expressed most abundantly in skeletal and cardiac muscle. Mutations in this gene have been associated with autosomal recessive limb-girdle muscular dystrophy and dilated cardiomyopathy. Alternatively spliced transcript variants encoding distinct isoforms have been observed for

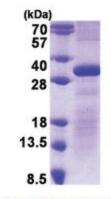
this gene. [provided by RefSeq, Jul 2008]

Protein Families: Transmembrane

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy,

Hypertrophic cardiomyopathy (HCM), Viral myocarditis

Product images:



15% SDS-PAGE (3ug)