

## Product datasheet for **AR50804PU-N**

### 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 NNEVVGAER 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:	<a href="#">NP_000328</a>
Locus ID:	6444
UniProt ID:	<a href="#">Q92629</a>
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:

