

## Product datasheet for **AR50163PU-S**

### **CANT1 / SHAPY (63-401, His-tag) Human Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	CANT1 / SHAPY (63-401, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMPAPG RPPTHNAHNW RLGQAPANWY NDTYPLSPPQ RTPAGIRYRI AVIADLDTES RAQEENTWFS YLKKGYLTL S DSGDKVAWEV DKDHGVLESH LAEKGRMEL SDLIVFNGKL YSVDDRTGVV YQIEGSKAVP WWILSDGDGT VEKGFKAEWL AVKDERLYVG GLGKEWTTTT GDVVNENPEW VKVVGKGSV DHENWWSNYN ALRAAAGIQP PGYLIHESAC WSDTLQRWFF LPRRASQERY SEKDDERKGA NLLLSASPDF GDIAVSHVGA VVPTHGFSSF KFIPNTDDQI IVALKSEEDS GRVASYIMAF TLDGRFLLPE TKIGSVKYEG IEFI
Tag:	His-tag
Predicted MW:	40.5 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 50 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CANT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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_001153244</a>
Locus ID:	124583
UniProt ID:	<a href="#">Q8WWQ1</a> , <a href="#">A0A024R8U8</a>
Cytogenetics:	17q25.3



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**Synonyms:** DBQD; DBQD1; EDM7; SCAN-1; SCAN1; SHAPY

**Summary:** This protein encoded by this gene belongs to the apyrase family. It functions as a calcium-dependent nucleotidase with a preference for UDP. Mutations in this gene are associated with Desbuquois dysplasia with hand anomalies. Alternatively spliced transcript variants have been noted for this gene.[provided by RefSeq, Mar 2010]

**Protein Families:** Secreted Protein

**Protein Pathways:** Purine metabolism, Pyrimidine metabolism

**Product images:**

