

Product datasheet

Recombinant Arginine deiminase protein ab204629

Description

Product name	Recombinant Arginine deiminase protein	
Biological activity	Measured by its ability to induce apoptosis in Jurkat cells using a concentration of 100-150 ng/ml.	
Purity	> 97 % SDS-PAGE. >97% by HPLC.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	P23793	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Mycoplasma arginini	
Sequence	SVFDSKFKGIHVYSEIGELESVLVHEPGREIDYITPARLDEL LFSAILLES HDARKEHKQFVAELKANDINVVELIDLVAETYDLASQEAK DKLIEEFLED SEPVLSEEHKVVVRNFLKAKKTSRELVEIMMAGITKDLGI EADHELVD PMPNLYFTRDPFASVGNVGTIHYMRYKVRQRETLFSRFVF SNHPKLINTP WYYDPSLKLKLSIEGGDVFIYNNDTLVVGVSERTDLQTVTLA KNIVANKEC EFKRVAINVPKWTNLMHLDTWLMLDKDKFLYSPIANDVF KFDYDLVN GGAEPQPVENGLPLEGLLQSIINKKPVLIPIAGEGASQMEIE RETHFDGT NYLAIRPGVVIGYSRNEKTNAALEAAGIKVLPFHGNQLSLG MGNARCMSM PLSRKDVKW	
Predicted molecular weight	46 kDa	
Amino acids	2 to 410	
Additional sequence information	Mycoplasma arginini. CAA38080.1.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab204629** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle. Constituents: 0.03278% Sodium phosphate, 0.00308% DTT This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

General Info

Relevance	Amino-acid degradation; L-arginine degradation via ADI pathway; carbamoyl phosphate from L-arginine: step 1/2.
Cellular localization	Cytoplasmic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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