

Product datasheet

Recombinant human PD1 protein (Active) ab214141

Description

Product name	Recombinant human PD1 protein (Active)	
Biological activity	Measured by its binding ability in a functional ELISA.	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 0.010 Eu/μg	
Expression system	HEK 293 cells	
Accession	Q15116	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	LDSPDRPWNP PTFSPALLVV TEGDNATFTC SFSNTSESFV LNWYRMSPSN QTDKLAAFPE DRSQPGQDCR FRVTQLPNGR DFHMSVVRAR RNSGTYL CG AISLAPKAQI KESLRAELRV TERRAEVPTA HPSPSPRPAG QFQ	
Amino acids	25 to 167	
Additional sequence information	(NP_005009.2). Expected molecular weight ~16 kD, observed molecular weight 30 kD in SDS-PAGE due to glycosylation of the protein.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab214141** 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
Form	Lyophilised
Additional notes	Endotoxin levels determined by LAL test. Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle.

Constituent: PBS

Lyophilized from 0.2µm-filtered solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Reconstitute 50µg vial with 100 µl sterile water to a concentration of 0.5 mg/ml. Add 1X PBS to the desired protein concentration. PBS containing at least 0.1% BSA should be used for further dilutions.

General Info

Function

Possible cell death inducer, in association with other factors.

Involvement in disease

Genetic variation in PDCD1 is associated with susceptibility to systemic lupus erythematosus type 2 (SLEB2) [MIM:605218]. Systemic lupus erythematosus is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.

Sequence similarities

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Developmental stage

Induced at programmed cell death.

Cellular localization

Membrane.

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

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