

Product datasheet

Recombinant mouse PD1 protein (Active) ab180051

[1 References](#) [1 Image](#)

Description

Product name	Recombinant mouse PD1 protein (Active)
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/μg
Expression system	HEK 293 cells
Accession	Q02242
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	LEVPNGPWRS LTFYPAWLTV SEGANATFTC SLSNWSIEDLM LNWNRLSPSN QTEKQAAFCN GLSQPVQDAR FQIIQLPNRH DFHMNILDTR RNDSGMYLCG AISLHPKAKI EESPGAELVV TERILETSTR YPSPSPKPEG RFQ
Predicted molecular weight	17 kDa including tags
Amino acids	25 to 167
Tags	His tag C-Terminus
Additional sequence information	(NP_032824)

Specifications

Our [Abpromise guarantee](#) covers the use of **ab180051** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Lyophilised
Additional notes	Endotoxin Levels determined by LAL method.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at 4°C (stable for up to 12 months). Store at -20°C or -80°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).

pH: 7.40

Constituents: PBS, 5% Trehalose

Lyophilized from 0.22 µm filtered solution.

Reconstitution

It is recommended to reconstitute the lyophilized protein in deionized water to a final concentration of 400 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing.

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.

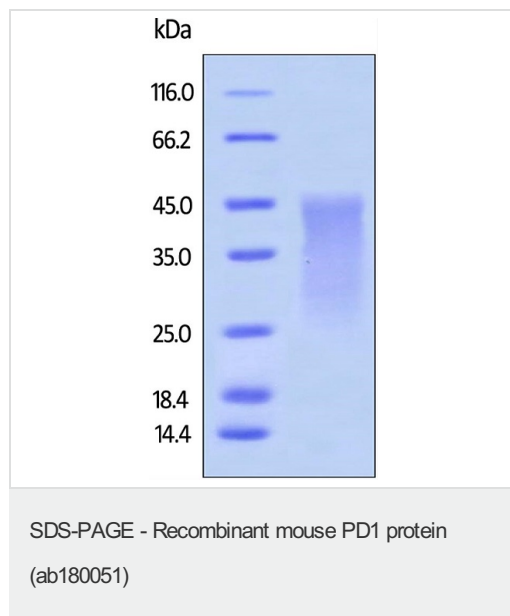
Developmental stage

Induced at programmed cell death.

Cellular localization

Membrane.

Images



Reduced ab180051 on SDS-PAGE, stained overnight with Coomassie Blue.

The protein migrates as 25-45 kDa under reducing condition due to glycosylation.

Purity of protein >95%

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