



Product datasheet

Recombinant human PD1 protein (Fc Chimera Active)

ab238348

Description	
Product name	Recombinant human PD1 protein (Fc Chimera Active)
Biological activity	Determined by its ability to prevent plate adhesion of PHA-stimulated Jurkat cells in the presence of 625ng/mL of bound hPD-L1. The ED ₅₀ for this effect is 2500ng/mL.
Purity	> 95 % SDS-PAGE. Greater than 95% by HPLC analyses.
Expression system	CHO cells
Accession	<u>Q15116</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	PGWFLDSPDRPWNPTTFSPALLVVTEGDNATFTCSFSNT SESFVLNWYRM SPSNQTDKLAAFPEDRSQPGQDCRFRVTQLPNGRDFHM SVVRARRNDSGT YLCGAISLAPKAQIKESLRAELRVTERRAEVPTAHPSPSPR PAGQFQTLV VGVVGGLLGSLLVWVLAVICSRAARGTIGARRTGQPLK EDPSAVPVFS VDYGELDFQWREKTPEPPVPCVPEQTEYATVFPSGMGT SSPARRGSADG PRSAQPLRPEDGHCSWPLGGPKSCDKTHTCPPCPAPEL LGGPSVFLFPPK PKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVH NAKTKPREEQY NSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIS KAKGQPREP QVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQ PENNYKTTTP VLDSGDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHN HYTQKSLSLSPG K
Predicted molecular weight	55 kDa

Amino acids	21 to 288
Tags	Fc tag C-Terminus
Additional sequence information	268-amino-acid length mature PD1 sequence fused to the 231-amino-acid length Fc portion of human IgG1 by two glycines. The PD1 signal peptide is not included.

Specifications

Our **Abpromise guarantee** covers the use of **ab238348** 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 HPLC
Form	Lyophilized
Additional notes	Due to glycosylation, ab238348 migrates at an apparent molecular weight of approximately 180-200 kDa by SDS-PAGE analysis under non-reducing conditions.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituents: 0.16% Sodium phosphate, 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute in water to 0.1 - 1.0 mg/ml.

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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