

Product datasheet

Recombinant human CD28 protein (Active) ab245796

Description

Product name	Recombinant human CD28 protein (Active)
Biological activity	Determined by its ability to bind its principal binding partner (B7-1) in a functional ELISA.
Purity	> 95 % SDS-PAGE. >95 % by HPLC analysis.
Expression system	CHO cells
Accession	<u>P01857</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	NKILVKQSPMLVAYDNAVNLSCKYSYNLFSREFRASLHKG LDSAVEVCVV YGNYSQQLQVYSKTGFNCDGKLGNESVTFYLQNLVYNQT DIYFCKIEVMY PPPYLDNEKSNGTIIHVKGKHLCPSPFPGPSKPGGPKSC DKTHTCPPCP APELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHED PEVKFNWYVD GVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEY KCKVSNKALPA PIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKG FYPSDIAVE WESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHE ALHNHYTQKSLSLSPGK
Predicted molecular weight	41 kDa
Tags	Fc tag C-Terminus
Additional sequence information	Glycosylated, disulfide-linked homodimer of 734 aa residue whose monomer consists of the 134 aa length extracellular portion of CD28 fused to the 231 aa length Fc portion of human IgG1 by two glycines

Specifications

Our **Abpromise guarantee** covers the use of **ab245796** 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

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. Constituent: 0.16% Sodium phosphate 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	Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival.
Tissue specificity	Expressed in T-cells and plasma cells, but not in less mature B-cells.
Sequence similarities	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Membrane.

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

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