

Product datasheet

Recombinant Human CD276 protein ab134865

Description

Product name Recombinant Human CD276 protein

Purity > 90 % SDS-PAGE.

Expression system Escherichia coli

Accession [Q5ZPR3](#)

Protein length Protein fragment

Animal free No

Nature Recombinant

Species Human

Sequence

```
MASMTGGQQMGRGHHHHHHGNLYFQGEVQVPEDPVVA
LVGTDATLCCSFS
PEPGFSLAQLNLIWQLTDTKQLVHSFAEGQDQGSAYANR
TALFPDLLAQG
NASLRLQVRVVADEGSFTCFVSIRDFGSAAVSLQVAAPY
SKPSMTLEPNK
DLRPGDTVITTCSSYQGYPEAEVFWQDGGVPLTGNVTT
SQMANEQGLFD
VHSILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPT
GAVEVQVPE
DPVVALVGTDATLRCSFSPEPGFSLAQLNLIWQLTDTKQL
VHSFTEGRDQ
GSAYANRTALFPDLLAQGNASLRLQVRVVADEGSFTCFV
SIRDFGSAAVS
LQVAAPYSKPSMTLEPNKDLRPGDTVITTCSSYRGYPEAE
VFWQDGGV
LTGNVTTSQMANEQGLFDVHSVLRVVLGANGTYSCLVRN
PVLQQDAHGSV TITGQPMTFPPEA
```

Predicted molecular weight 50 kDa including tags

Amino acids 30 to 466

Tags His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab134865** 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

Form Liquid

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 long term. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: Potassium chloride, 0.05% DTT, 0.32% Tris HCl, 0.02% EDTA, Glycerol, Sodium chloride, 3.4% DL-Arginine

General Info

Function May participate in the regulation of T-cell-mediated immune response. May play a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. May be involved in the development of acute and chronic transplant rejection and in the regulation of lymphocytic activity at mucosal surfaces. Could also play a key role in providing the placenta and fetus with a suitable immunological environment throughout pregnancy. Both isoform 1 and isoform 2 appear to be redundant in their ability to modulate CD4 T-cell responses. Isoform 2 is shown to enhance the induction of cytotoxic T-cells and selectively stimulates interferon gamma production in the presence of T-cell receptor signaling.

Tissue specificity Ubiquitous but not detectable in peripheral blood lymphocytes or granulocytes. Weakly expressed in resting monocytes. Expressed in dendritic cells derived from monocytes. Expressed in epithelial cells of sinonasal tissue. Expressed in extravillous trophoblast cells and Hofbauer cells of the first trimester placenta and term placenta.

Sequence similarities Belongs to the immunoglobulin superfamily. BTN/MOG family.
Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Contains 2 Ig-like V-type (immunoglobulin-like) domains.

Cellular localization Membrane.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors