

Product datasheet

Recombinant Human CD147 protein (Tagged) ab268012

Description

Product name	Recombinant Human CD147 protein (Tagged)
Purity	> 90 % SDS-PAGE. NULL
Expression system	Mammalian
Accession	<u>P35613</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	EPGTVFTTVEDLGSKILLTCSLNDSEVTGHRWLKGGVV LKEDALPGQK TEFKVDSDDQWGEYSCVFLPEPMGTANIQLHGPPRVKAV KSSEHINEGET AMLVCKSESVPVTDWAWYKITDSEDKALMNGSESRRF VSSSQGRSELHI ENLNMEADPGQYRCNGTSSKGSQAIITLRVRSILA
Predicted molecular weight	42 kDa
Amino acids	138 to 323
Tags	His tag C-Terminus
Additional sequence information	C-terminal 6xHis-Myc-tagged

Specifications

Our **Abpromise guarantee** covers the use of **ab268012** 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	<p>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.</p> <p>pH: 7.2</p> <p>Constituents: PBS, 6% Trehalose</p> <p>Lyophilized from.</p>
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General Info

Function	Plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPs). May target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. Seems to be a receptor for oligomannosidic glycans. In vitro, promotes outgrowth of astrocytic processes.
Tissue specificity	Present only in vascular endothelium in non-neoplastic regions of the brain, whereas it is present in tumor cells but not in proliferating blood vessels in malignant gliomas.
Sequence similarities	<p>Contains 1 Ig-like C2-type (immunoglobulin-like) domain.</p> <p>Contains 1 Ig-like V-type (immunoglobulin-like) domain.</p>
Post-translational modifications	N-glycosylated.
Cellular localization	Cell membrane. Melanosome. Colocalizes with SLC16A1 and SLC16A8 (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

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

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