

Product datasheet

Recombinant Human ULBP2 protein (Fc Chimera) ab185428

Description

Product name	Recombinant Human ULBP2 protein (Fc Chimera)	
Purity	> 95 % SDS-PAGE. Determined by SEC-HPLC and reducing SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Mammalian	
Accession	<u>Q9BZM5</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	GRADPHSLCYDITVIPKFRPGPRWCAVQGQVDEKTFLLHYD CGNKTVTPVS PLGKKLNVTTAWKAQNPVLRVVDILTEQLRDIQLENYTPK EPLTLQARM SCEQKAEGHSSGSWQFSFDGQIFLLFDSEKRMWTTVHP GARKMKEKWEND KVVAMSFHYFSMGDCIGWLEDFLMGMDSTLEPSAGAPL AMSS	
Predicted molecular weight	22 kDa	
Amino acids	26 to 217	
Tags	Fc tag C-Terminus	
Additional sequence information	Mature protein. C terminal FC tag.	

Specifications

Our **Abpromise guarantee** covers the use of **ab185428** 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 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 -80°C. Avoid freeze / thaw cycle. Reconstitute for long term storage.

pH: 7.40

Constituent: 100% PBS

Lyophilized from an 0.2 µM filtered solution.

Reconstitution

Dissolve the lyophilized protein in 3X PBS. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

General Info

Function

Ligand for the NKG2D receptor, together with at least ULBP1 and ULBP3. ULBPs activate multiple signaling pathways in primary NK cells, resulting in the production of cytokines and chemokines. Binding of ULBPs ligands to NKG2D induces calcium mobilization and activation of the JAK2, STAT5, ERK and PI3K kinase/Akt signal transduction pathway. In CMV infected cells, interacts with soluble CMV glycoprotein UL16. The interaction with UL16 blocked the interaction with the NKG2D receptor, providing a mechanism by which CMV infected cells might escape the immune system. UL16 also causes ULBP2 to be retained in the ER and cis-Golgi apparatus so that it does not reach the cell surface.

Tissue specificity

Expressed in various types of cancer cell lines and in the fetus, but not in normal tissues.

Sequence similarities

Belongs to the MHC class I family.

Cellular localization

Cell membrane. Secreted.

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