

Recombinant Human ABCB5 protein (Tagged) ab185403

Description

Product name	Recombinant Human ABCB5 protein (Tagged)	
Purity	> 95 % SDS-PAGE. ab185403 is greater than 95% pure as determined by SEC-HPLC and reducing SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	<u>Q2M3G0</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MSDKIIHLTDDSFDTDVLKADGAILVDFWAEWCGPCKMIA PILDEIADEY QGKLTVAKLNIDQNPGTAPKYGIRGIPTLLLFKNGEVAATKV GALSKGQL KEFLDANLAGSGSGHMHSHHHSSGLVPRGSGMKETAA AKFERQHMDSPD LGTDDDDKAMAIIRSADLIVTLKDGMLAEKGAHAELMAKR GLYSLVMSQD IKKADEQMESMTYSTERKTNSLPLHSVKSISDFIDKAEES TQSKEISLP EVSLLKILKL NKPEWPFV	
Predicted molecular weight	29 kDa including tags	
Amino acids	141 to 247	
Additional sequence information	Trx tag at the N-terminus.	

Specifications

Our **Abpromise guarantee** covers the use of **ab185403** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC
	SDS-PAGE

Form Lyophilized

Preparation and Storage

Stability and Storage Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40
Constituent: 100% PBS

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 3X PBS. Please aliquot the reconstituted solution. After reconstitution aliquot and store at < -20 degrees, avoid freeze/thaw cycles.

General Info

Function Plasma membrane transporter able to mediate efflux from cells of the rhodamine dye and of the therapeutic drug doxorubicin. Responsible for the resistance to doxorubicin of a subset of malignant melanomas.

Tissue specificity Expressed by CD133-expressing progenitor cells among epidermal melanocytes (at protein level). Widely expressed with specific expression in pigment cells. Also expressed in several malignant tissues.

Sequence similarities Belongs to the ABC transporter superfamily. ABCB family. Multidrug resistance exporter (TC 3.A.1.201) subfamily.
Contains 1 ABC transmembrane type-1 domain.
Contains 2 ABC transporter domains.

Cellular localization Cell membrane.

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

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