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Datasheet for ABIN7318182 **ABCB5 Protein (TRX tag)**

Overview

Quantity:	50 µg
Target:	ABCB5
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCB5 protein is labelled with TRX tag.

Product Details

Purpose:	Recombinant Human ABCB5 Protein (Trx Tag)
Sequence:	Ile141-Val247
Characteristics:	Recombinant Human ATP-binding cassette sub-family B member 5 is produced by our E.coli expression system and the target gene encoding Ile141-Val247 is expressed with a Trx tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ABCB5
Alternative Name:	ABCB5 (ABCB5 Products)
Background:	Background: ATP-binding cassette sub-family B member 5(ABCB5) is a plasma membrane-spanning protein. ABCB5 is principally expressed in physiological skin and human malignant

Target Details

melanoma. ABCB5 has been suggested to regulate skin progenitor cell fusion and mediate chemotherapeutic drug resistance in stem-like tumor cell subpopulations in human malignant melanoma. It is commonly over-expressed on circulating melanoma tumour cells. Furthermore, the ABCB5+ melanoma- initiating cells were demonstrated to express FLT1 (VEGFR1) receptor tyrosine kinase which was functionally required for efficient xenograft tumor formation, as demonstrated by shRNA knockdown experiments.

Synonym: ATP-binding cassette sub-family B member 5, P-glycoprotein ABCB5, ABCB5 P-gp, ABCB5,

Molecular Weight: 29.4 kDa

UniProt: [Q2M3G0](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.