

ABCB5 Protein, Human (Trx)

Cat. No.:	HY-P7621
Synonyms:	rHuABCB5, N-Trx; ATP-binding cassette sub-family B member 5; P-glycoprotein ABCB5; ABCB5
Species:	Human
Source:	E. coli
Accession:	Q2M3G0 (I586-V692)
Gene ID:	340273
Molecular Weight:	Approximately 30.0 kDa

PROPERTIES

AA Sequence	<div> <div>I R S A D L I V T L</div> <div>K D G M L A E K G A</div> <div>H A E L M A K R G L</div> <div>Y Y S L V M S Q D I</div> <div>K K A D E Q M E S M</div> <div>T Y S T E R K T N S</div> <div>L P L H S V K S I K</div> <div>S D F I D K A E E S</div> <div>T Q S K E I S L P E</div> <div>V S L L K I L K L N</div> <div>K P E W P F V</div> </div>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	ATP-binding cassette (ABC) transporters play a pivotal role in physiology and pathology. Expression of ABCB5α/β might possibly provide two novel molecular markers for differential diagnosis of melanomas and constitute potential molecular targets for therapy of melanomas ^[1] .
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REFERENCES

[1]. Kevin G Chen, et al. Principal expression of two mRNA isoforms (ABCB5α and ABCB5β) of the ATP-binding cassette transporter gene ABCB 5 in melanoma cells and

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA