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32-8243: Recombinant Human ATP-binding Cassette B5/ABCB5 (N-Trx)

Gene : ABCB5
Gene ID : 340273
Uniprot ID : Q2M3G0

Description

Source: E. coli.
MW :29.4kD.
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. 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 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.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	MSDKIIHLTDDSFDTDVLKADGAILVDFWAEWCGPCKMIAPILDEIADEYQGKLTVAKLNIDQNPGTAPKYGIRGI PTLLLFKNGEVAATKVGALSKGQLKEFLDANLAGSGSGHMHHHHHHSSGLVPRGSGMKETAAAKFERQHMD SPDLGTDDDDKAMAIRSADLIVTLKDGMLAEKGAHAELMAKRGLYYSLVMSQDIKKADEQMESMTYSTERKTN SLPLHSVKSIKSDFIDKAEESTQSKEISLPEVSLLKILKLNKPEWPFV

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.