

**Recombinant Human ATP-binding Cassette B5/ABCB5 Protein(N-Trx)**

**Cat.NO.: TP06011**

3th Edition

**Synonyms:**ATP-binding cassette sub-family B member 5; P-glycoprotein ABCB5; ABCB5 P-gp; ABCB5;

**Description:**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.

**Form:**PBS

**Molecular Weight:**29.4 kDa

**Sequences:**Ile141-Val247

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.