

Product datasheet for **TP762378**

ABCB8 (NM_007188) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human ATP-binding cassette, sub-family B (MDR/TAP), member 8 (ABCB8), nuclear gene encoding mitochondrial protein, Leu5-Leu124, with N-terminal His-ABP tag, expressed in E.coli, 50ug |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | A DNA sequence encoding the region (Leu5-Leu124) of ABCB8 |
| Tag: | N-His-ABP (Albumin-Binding Protein) |
| Predicted MW: | 28.8 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | >80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 50 mM Tris-HCl, pH 8.0, 8 M urea |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_009119 |
| Locus ID: | 11194 |
| UniProt ID: | Q9NUT2 |
| RefSeq Size: | 2439 |
| Cytogenetics: | 7q36.1 |
| RefSeq ORF: | 2154 |
| Synonyms: | EST328128; M-ABC1; MABC1; MITOSUR |



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Summary:

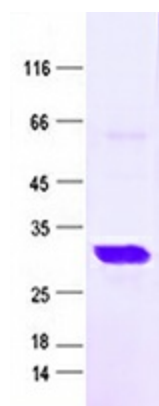
This nuclear gene encodes a multi-pass membrane protein that is targeted to the mitochondrial inner membrane. The encoded protein is an ATP-dependent transporter that may mediate the passage of organic and inorganic molecules out of the mitochondria. Loss of function of the related gene in mouse results in a disruption of iron homeostasis between the mitochondria and cytosol. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

ABC transporters

Product images:

Purified recombinant protein ABCB8 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.