

# Active Recombinant Human ABCD1 Full Length Transmembrane protein, His-tagged

Cat. No. ABCD1-2384H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human ABCD1 protein(P33897)(1-745aa), fused with C-terminal His tag, was expressed in in vitro E. coli expression system.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-745aa
<b>Form</b>	<p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized ABCD1 at 5 µg/ml can bind human PEX19, the EC50 of human PEX19 protein is 22.96-33.00 µg/ml.
<b>Molecular Mass</b>	84.9kDa
<b>AA Sequence</b>	<p>MPVLSRPRPWGNTLKRTAVLLALAAYGAHKVYPLVRQCLAPARGLQAPAGEPTQE            ASGVAAAKAGMNRVFLQROLLWLLRLLFPRVLCRETGLLALHSAALVSRTFLSVYVAR            LDGRLARCIVRKDPRAFGWQLLQWLLIALPATFVNSAIRYLEGQLALSFRSRLVAHAY            RLYFSQQTYRVSNDGRLRNPDQSLTEDVVAFAASVAHLYSNLTKPLLDVAVTSY            TLLRAARSRGAGTAWPSAIAGLVVFLTANVLRVAFSPKFGELVAEEARRKGEALRYMHS</p>

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RVVANSEEIAFYGGHEVELALLQRSYQDLASQINLILLERLWYVMLEQFLMKYVWSA  
 SGLLMVAVPIITATGYSESDAEAVKKAALKKEEELVSE RTEAFTIARNLLTAAADAIE  
 RIMSSYKEVTELAGYTARVHEMFQVFEDVQRCHFKRPRELEDAQAGSGTIGRSGVR  
 VEGPLKIRGQVVDVEQGIICENIPIVTPSGEVVVASLNIRVEEGMHLLITGPNCGCKSS  
 LFRILGGLWPTYGGVLYKPPPQRMFYIPQRPYMSVGLSRDQVIYPDSVEDMQRKGY  
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 LLDECTSAVSIDVEGKIFQAAKDAGIALLSITHRPSLWKYHTHLLQFDGEGGWKFEKL  
 DSAARLSLTEEKQRLEQQLAGIPKMQRRLQELCQILGEAVAPAHVPAPSPQGPGL  
 QGAST

**Purity** Greater than 90% as determined by SDS-PAGE.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

## GENE INFORMATION

**Gene Name** [ABCD1 ATP-binding cassette, sub-family D \(ALD\), member 1 \[ Homo sapiens \]](#)

**Official Symbol** [ABCD1](#)

**Synonyms** ABCD1; ATP-binding cassette, sub-family D (ALD), member 1; ALD; ATP-binding cassette sub-family D member 1; adrenoleukodystrophy; ALDP; AMN; adrenoleukodystrophy protein; ABC42;

**Gene ID** [215](#)

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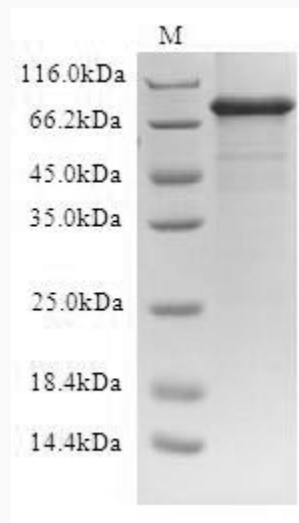
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Protein Refseq NP\_000024

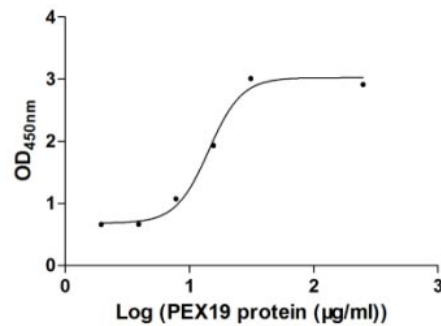
MIM 300371

UniProt ID P33897

#### SDS-PAGE



#### Activity



The Binding Activity of ABCD1 with PEX19

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