

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

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

SPECIFICATION

Product Overview	Recombinant Human ABCD1 protein(P33897)(1-745aa), fused with C-terminal His tag, was expressed in in vitro E. coli expression system.
Species	Human
Source	E.coli
ProteinLength	1-745aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Bio-activity	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.
Molecular Mass	84.9kDa
AA Sequence	MPVLSRPRPWGNTLKRTAVLLALAAYGAHKVYPLVRQCLAPARGLQAPAGEPTQE ASGVAAAKAGMNRVFLQRLLWLLRLLFPRVLCRETGLLALHSAALVSRTFLSVYVAR LDGRLARCIVRKDPRAFGWQLLQWLLIALPATFVNSAIRYLEGQLALSFRSRLVAHAY RLYFSQQTYYRVSNMDGRLRNPDQSLTEDVVAFAASVAHLYSNLTKPLLDVAVTSY TLLRAARSRGAGTAWPSAIALGLVFLTANVLRASFSPKFGELVAEEARRKGELRYMHS

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RVVANSEEIAFYGGHEVELALLQRSYQDLASQINLILLERLWYVMLEQFLMKYVWSA
 SGLLMVAVPIITATGYSESDAEAVKKAALKKEEELVSETEAFTIARNLLTAAADAIE
 RIMSSYKEVTELAGYTARVHEMFQVFEDVQRCHFMRPRELEDAQAGSGTIGRSGVR
 VEGPLKIRGQVVDVEQGIICENIPIVTPSGEVVVASLNIRVEEGMHLLITGPNCGCKSS
 LFRILGGLWPTYGGVLYKPPPQRMFYIPQRPYMSVGSRLDQVIYPDSVEDMQRKGY
 SEQDLEAILDVVHLHHILQREGGWEAMCDWKDVLSGGEKQRIGMARMFYHRPKYA
 LLDECTSAVSIDVEGKIFQAAKDAGIALLSITHRPSLWKYHHTLLQFDGEGGWKFEKL
 DSAARLSLTEEKQRLEQQLAGIPKMQRRLLQELCQILGEAVAPAHVPAPSPQGPGL
 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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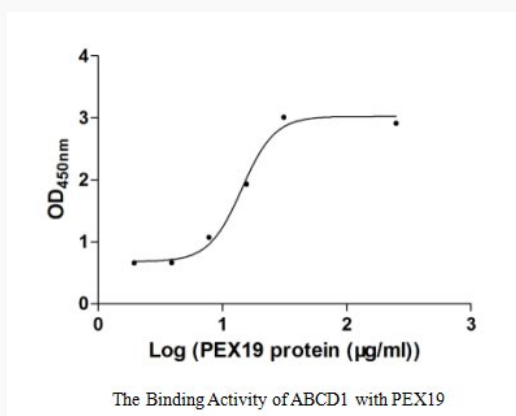
mRNA Refseq [NM_000033](#)

Protein Refseq [NP_000024](#)

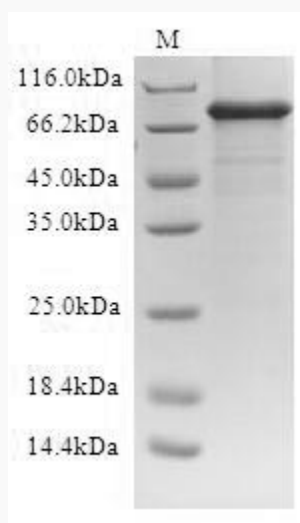
MIM [300371](#)

UniProt ID [P33897](#)

Activity



SDS-PAGE



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