



Recombinant Human ATP-binding cassette sub-family D member 1 (ABCD1) (Active)

Product Code	CSB-CF001068HU
Relevance	Probable transporter. The nucleotide-binding fold acts as an ATP-binding subunit with ATPase activity.
Abbreviation	Recombinant Human ABCD1 protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P33897
Form	Lyophilized powder
Storage Buffer	Lyophilized from 20 mM Tris-HCl, 0.15 M NaCl, 0.05% FOS12, 6% Trehalose, pH 8.0
Product Type	Other
Immunogen Species	Homo sapiens (Human)
Biological 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.
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MPVLSRPRPWGNTLKR TAVLLALAAYGAHKVYPLVRQCLAPARGLQAPAGE PTQEASGVAAAKAGMNRVFLQRLWLLRLLFPRVLCRETGLLALHSAALVSRT FLSVYVARLDGRLARCIVRKDPRAFGWQLLQWLLIALPATFVNSAIRYLEGQLA LSFRSRLVAHAYRLYFSQQTYRVSNDGRLRNPDQSLTEDVVAFAASVAHL YSNLTKPLLDVAVTSYLLRAARSRGAGTAWPSAIALGLVVFLTANVLR AFSPKF GELVAEEARRKGELRYMHSRVVANSEEIAFYGGHEVELALLQRSYQDLASQIN LILLERLWYVMLEQFLMKYVWSASGLLMVAVPIITATGYSESDAEAVKKALEK KEEELVSE RTEAFTIARNLLTAAADAIERIMSSYKEVTELAGYTARVHEMFQVFE DVQRCHFKRPRELEDAQAGSGTIGRSGVRVEGPLKIRGQVVDVEQGIICENIPI VTPSGEVVVASLNIRVEEGMHLLITGPNCGKSSLFRILGGLWPTYGGVLYKP PPQRMFYIPQRPYMSVGLRDQVIYPDSVEDMQRKGYSEQDLEAILDVVHLH HILQREGGWEAMCDWKDVLSGGEKQRIGMARMFYHRPKYALLDECTSAVSID VEGKIFQAAKDAGIALLSITHRPSLWKYHTHLLQFDGEGGWKFEKLD SAARLSL TEEKQRLEQQLAGIPKMQRRLQELCQILGEAVAPAHVPAPSPQGGPGLQGAS T
Research Area	Tags & Cell Markers
Source	in vitro E.coli expression system
Target Names	ABCD1
Expression Region	1-745aa



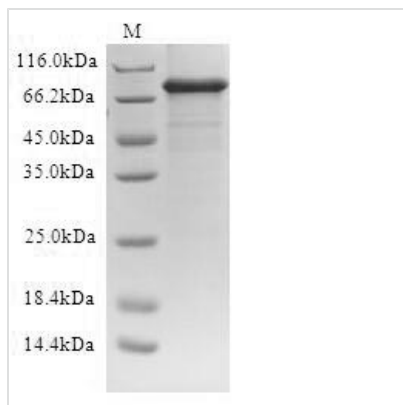
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Tag Info C-terminal 10xHis-tagged

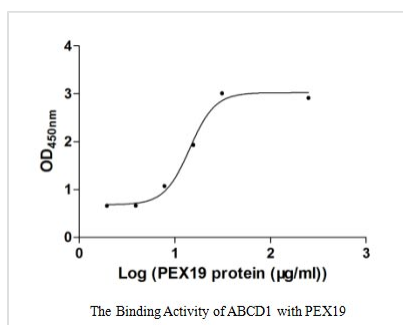
Mol. Weight 84.9kDa

Protein Length Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



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 is 22.96-33.00 µg/ml.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.