

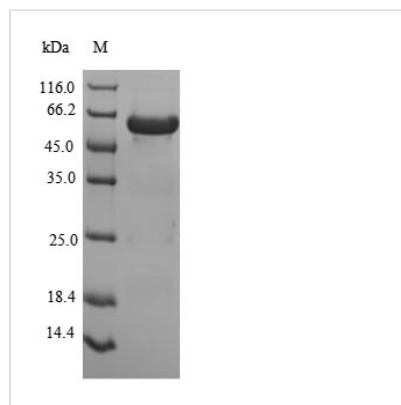


Recombinant Human Peroxisomal biogenesis factor 19 (PEX19) (Active)

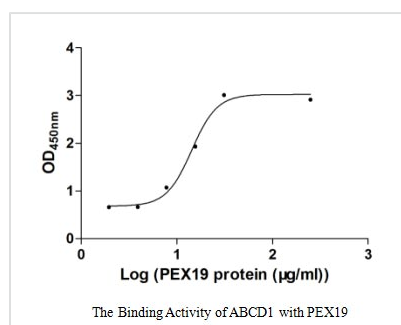
Product Code	CSB-EP017802HU
Relevance	Necessary for early peroxisomal biogenesis. Acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Binds and stabilizes newly synthesized PMPs in the cytoplasm by interacting with their hydrophobic membrane-spanning domains, and targets them to the peroxisome membrane by binding to the integral membrane protein PEX3. Excludes CDKN2A from the nucleus and prevents its interaction with MDM2, which results in active degradation of TP53.
Abbreviation	Recombinant Human PEX19 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.	P40855
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	Greater than 90% as determined by SDS-PAGE.
Sequence	AAAEEGCSVGAEADRELEELLESALDDFDKAKPSPAPPSTTTAPDASGPQKRS PGDTAKDALFASQEKFFQELFDSELASQATAEF EKAMKELAE EEPHLVEQFQK LSEAAGR VGS DMTSQQEFTSCLKETLSGLAKNATDLQNSSMSEEELTKAMEG LGMDEGDGEGNLPIMQSIMQNLLSKDVLPSLKEITEKYPEWLQSHRESLPPE QFEKYQE QHSVMCKICEQFEAETPTDSETTQKARFEMVLDLMQQLQDLGHPP KELAGEMPPGLNFDLDALNLSGPPGASGEQC
Research Area	Tags & Cell Markers
Source	E.coli
Target Names	PEX19
Expression Region	2-296aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	59.3kDa
Protein Length	Full Length of Mature Protein



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 $\mu\text{g/ml}$ can bind human PEX19, the EC_{50} of human PEX19 is 22.96-33.00 $\mu\text{g/ml}$.

Description

Recombinant Human PEX19 is a full-length mature protein corresponding to the 2-296aa expression region of Peroxisomal biogenesis factor 19, an important component in research focused on tags and cell markers. Produced in *E. coli*, this N-terminal GST-tagged protein demonstrates a purity greater than 90% as determined by SDS-PAGE. Its activity is measured by a functional ELISA, in which immobilized ABCD1 at 5 $\mu\text{g/mL}$ can bind human PEX19 with an EC_{50} of 22.96-33.00 $\mu\text{g/mL}$. The product is supplied as a lyophilized powder, enabling convenient storage and use in a variety of research applications.

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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. 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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.