



# Recombinant Rat Peroxisomal membrane protein PEX14 (Pex14)

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| <b>Product Code</b>      | CSB-EP723734RA-B                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Abbreviation</b>      | Pex14                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.                                                                                                                                                                            |
| <b>Uniprot No.</b>       | Q642G4                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Sequence</b>          | ASSEQAEQP NQPSSSPGSE NVVPREPLIA TAVKFLQNSR VRQSPLATRR<br>AFLKKKGLTD EEIDLAFQQS GTASDEPSPV GPATPVVPVQ PPHLISQPYS<br>PGGSRWRDYG ALAILAGIA FGFHQLYKKY LLPLILGGRE DRKQLERMAA<br>SLSELSGSVA QTVTQVQTTL ASVQELLRQQ QQKVQELAHE LAAAKATTST<br>NWILESQNIN ELKSEINSLK GLLLNRQRFP PSPSAPKIPS WQIPVKSPSP<br>SSPAAVNHHS SSDISPVSN SPSSSPGKDG HSPEGSTATY RLLGPQEEGE<br>GVVDVKGQVR MEVQGEEEEKR EDEEGEEDDED DDVSHVDEED<br>VLGVQREDRR GGDGQINEQV EKLRRPEGAS NESERD             |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Target Names</b>      | Pex14                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Names</b>     | Recommended name: Peroxisomal membrane protein PEX14 Alternative name(s): PTS1 receptor-docking protein Peroxin-14 Peroxisomal membrane anchor protein PEX14                                                                                                                                                                                                                                                                                                  |
| <b>Expression Region</b> | 2-376                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Target Details</b>    | This gene encodes an essential component of the peroxisomal import machinery. The protein is integrated into peroxisome membranes with its C-terminus exposed to the cytosol, and interacts with the cytosolic receptor for proteins containing a PTS1 peroxisomal targeting signal. The protein also functions as a transcriptional corepressor and interacts with a histone deacetylase. A mutation in this gene results in one form of Zellweger syndrome. |
| <b>Reconstitution</b>    | 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.

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### **Shelf Life**

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