



# Recombinant Rat Partitioning defective 6 homolog alpha (Pard6a)

<b>Product Code</b>	CSB-MP731845RA
<b>Abbreviation</b>	Pard6a
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q6B4M5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MARPQRTPAR SPDSIVEVKS KFDAEFRRFA LPRTSVRGFQ EFSRLLCVVH QIPGLDVLLG YTDAHGDLLP LTNDDSLHRA LASGPPPLRL LVQKRAEGDS SGLAFASNSL QRRKKGLLLR PVAPLRTRPP LLISLPQDFR QVSSVIDVDL LPETHRRVRL HKHGSDRPLG FYIRDGMSVR VAPQGLERVP GIFISRLVRG GLAESTGLLA VSDEILEVNG IEVAGKTLQD VTDMMVANSH NLIVTVKPAN QRNNVVRGAS GRLTGPSSVG PGPTDPDSDS DNSDPVIENR HPPCSNGLSQ GPLCWDLQPG CLHPSAGSSL PSLDSREQAN SGWGNGMRGD VSGFSL
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Pard6a
<b>Protein Names</b>	Recommended name: Partitioning defective 6 homolog alpha Short name= PAR-6 Short name= PAR-6 alpha Short name= PAR-6A
<b>Expression Region</b>	1-346
<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 protein
<b>Target Details</b>	This gene is a member of the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cell membrane protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex. The protein also has a role in the epithelial-to-mesenchymal transition (EMT) that characterizes the invasive phenotype associated with metastatic carcinomas. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
<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.

---

**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.