



# Recombinant Human Sortilin (SORT1), partial (Active)

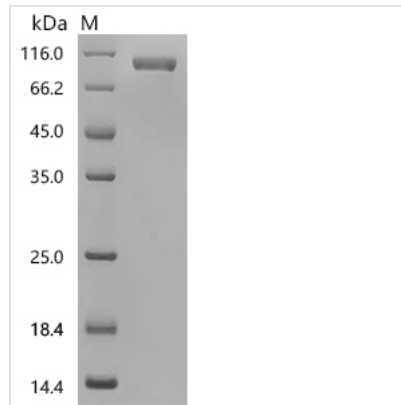
<b>Product Code</b>	CSB-MP859102HU
<b>Abbreviation</b>	Recombinant Human SORT1 protein, partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20?/-80?. The shelf life of lyophilized form is 12 months at -20?/-80?.
<b>Uniprot No.</b>	Q99523
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm sterile filtered PBS, 6% Trehalose, pH 7.4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	①Measured by its binding ability in a functional ELISA. Immobilized Human SORT1 at 2 μg/mL can bind anti-SORT1 recombinant antibody(CSB-RA859102MA2HU).The EC50 is 31.93-38.17 ng/mL. ②SORT1 Recombinant Monoclonal Antibody(CSB-RA859102MA2HU) captured on Protein A Chip can bind Human SORT1 with an affinity constant of 0.128 nM as detected by MetaSPR Assay (WeSPRTM 200).
<b>Purity</b>	≥ 95% as determined by SDS-PAGE.
<b>Sequence</b>	SAPGEDEECGRVRDFVAKLANNTHQHVFDDLGRGSVLSWVG DSTGVILVLTTFHVPLVIMTFGQSKLYRSEDYGKNFKDITDLINNTFIRTEFGMAIGPENSGKVVL TAEVSGGSRGGRIFRSSDFAKNFVQTDLPFHPLTQMMYSPQNSDYLLALSTE NGLWWSKNFGGKWEIHKAVCLAKWGS DNTIFFTTYANGSCKADLGALELWRTSDLGKSFKTIGVKIYSFGLGGRFLFASVMADKDTTRRIHVSTDQGD TWSMAQLPSVGQEQFY S ILAANDDMVFMHVDEPGDTGFGTIFTSDDRGIVYSKSLDRHLYTTTGGETDFTNVTSLRGVYITSVLSEDNSIQTMITFDQGGRWTHLRKPENSE CDATAKNKNECSLHIHASY SISQKLVNPMAPLSEPN AVGIVIAHGSVGD AISVMPDVYISDDGGYSWTKMLEGPHYTILD SGGIIV AIEHSSRPINVIKFSTDEGQC WQTYTFTRDPIYFTGLASEPGARSMNISIWGFTESFLTSQWVSYTIDFKDILERNCEEKDYTIWLAHSTDPEDYEDGCILGYKEQFLRLRKSSVCQNGRDYVVTKQPSICLCSLEDFLCDFGYRPENDSKC VEQPELKGHDLEFCLYGREEHLTTNGYRKIPGDKCQGGVNPVREVKDLKKKCTSNFLSPEKQNSKSN
<b>Source</b>	Mammalian cell
<b>Target Names</b>	SORT1
<b>Expression Region</b>	78-755aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
<b>Tag Info</b>	C-terminal 10xHis-tagged



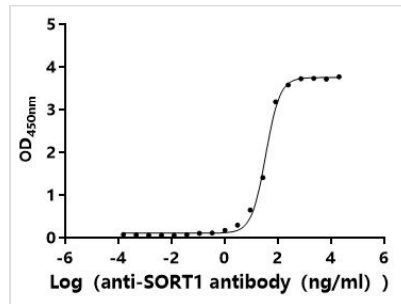
**Mol. Weight** 77.2 kDa

**Protein Length** Partial

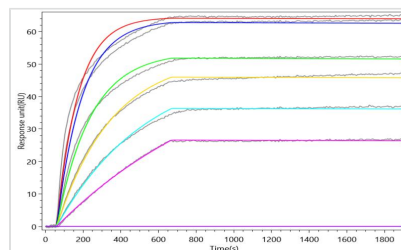
**Image**



(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 Human SORT1 at 2 µg/ml can bind anti-SORT1 recombinant antibody(CSB-RA859102MA2HU). The EC<sub>50</sub> is 31.93-38.17 ng/mL.



**Activity**  
SORT1 Recombinant Monoclonal Antibody(CSB-RA859102MA2HU) captured on Protein A Chip can bind Human SORT1 with an affinity constant of 0.128 nM as detected by MetaSPR Assay (WeSPRTM 200).

**Endotoxin** Less than 1.0 EU/ug as determined by LAL method.

**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.