



Recombinant Human Sortilin (SORT1), partial (Active)

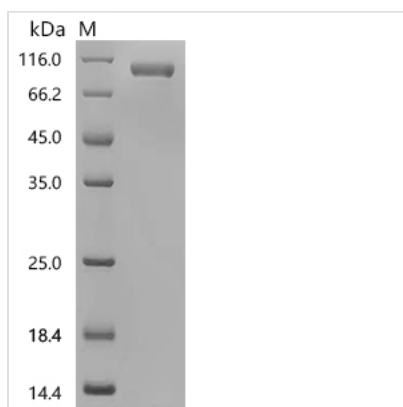
Product Code	CSB-MP859102HU
Abbreviation	Recombinant Human SORT1 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20?/-80?. The shelf life of lyophilized form is 12 months at -20?/-80?.
Uniprot No.	Q99523
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	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).
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	SAPGEDEECGRVRDFVAKLANNTHQHVFDLRLGSLVSWVGDSTGVILVLTTFHVPLVIMTFGQSKLYRSEDYGKNFKDITDLINNTFIRTEFGMAIGPENSGKVVLTAEVSGGSRGGRIFRSSDFAKNFVQTDLPFHPLTQMMYSPQNSDYLLALSTENGLWVSKNFGGKWEIHKAVCLAKWGSNTIFFTTYANGSCKADLGALELWRTSDLGKSFKTIGVKIYSFGLGGRFLFASVMADKDTTRRIHVSTDQGDWTSMAQLPSVGGQEQFYSSILAANDDMVFMHVDEPGDTGFGTIFTSDDRGIVYSKSLDRHLYTTTGGGETDFTNVTSLRGVYITSVLSEDNSIQTMITFDQGGRWTHLRKPENSECDATAKNKNECSLHIHASYSSQKLNVPMAPLSEPNAVGVIAHGSVGDASVMPDVYISDDGGYSWTKMLEGPHYTYTILDSGGIIVAIHSSRPINVIKFSTDEGQCWQTYTFRDPIYFTGLASEPGARSMNISIWGFTEFLTSQWVSYTIDFKDILERNCEEKDYTIWLAHSTDPEYEDGCILGYKEQFLRLRKSSVCQNGRDYVVTKQPSICLCSLEDFLCDFGYRPPENDSKCQEPELKGHDLEFCLYGREEHLTTNGYRKIPGDKCQGGVNPVREVKDLKKKCTSNFLSPEKQNSKSN
Source	Mammalian cell
Target Names	SORT1
Expression Region	78-755aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
Tag Info	C-terminal 10xHis-tagged



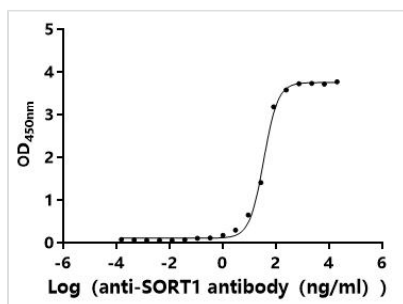
Mol. Weight 77.2 kDa

Protein Length Partial

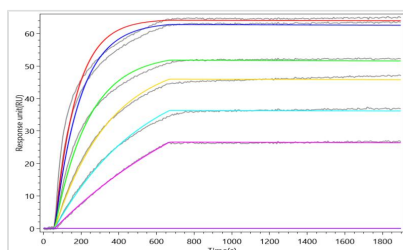
Image



(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 EC₅₀ 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.