

# Recombinant Human SORT1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08299

**Protein Name:** Sortilin Glycoprotein 95 (SORT1)

**Aliases:** NT3; Gp95; NTR3; LDLCQ6; sortilin; sortilin glycoprotein 95; 100 kDa NT receptor; neurotensin receptor 3

**UniProt ID:** Q99523

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q99523/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Mammalian cell

**Protein Length:** Partial (78-755aa)

**Molecular Weight:** 77.2 kDa

**Protein Tag:** C-terminal 10xHis-tagged

## 2. Amino Acid Sequence (78-755aa)

SAPGEDEECGRVRDFVAKLANNTHQHVFDLDRGVSLSWVGDSTGVILVLTTFHVP  
LVIMTFGQSKLYRSEDYGKNFKDITDLINNTFIRTEFGMAIGPENSGKVVLTAEVSGG  
SRGGRIFRSSDFAKNFVQTDLPFHPLTQMMYSPQNSDYLLALSTENGLWVSKNFG  
GKWEIHKAVCLAKWGSNTIFFTTYANGSCKADLGALELWRTSDLGKSFKTIGVKI  
YSFGLGGRFLFASVMADKDTTRRIHVSTDQGDTWSMAQLPSVGQEYFYSILAAND  
DMVFMHVDEPGDTGFGTIFTSDDRGIVYSKSLDRHLYTTTGGGETDFTNVTSLRGVYI  
TSVLSEDNSIQTMITFDQGGRWTHLRKPENSECDATAKNKNECSLHIHASYSSQKL  
NVPMAPLSEPNAVGIIVAHGSGVDAISVMVPDVYISDDGGYSWTKMLEGPHYTYTILD  
SGGIIVAIHSSRPINVIKVFSTDEGQCWQTYTFTRDPIYFTGLASEPGARSMNISIWGF  
TESFLTSQWVSYTIDFKDILERNCEEKDYTIWLAHSTDPEYEDGCILGYKEQFLRLR  
KSSVCQNGRDYVVTQKPSICLCSLEDFLCDFGYRPEPNSKCVQEPELKGHDLEFC  
LYGREEHLTTNGYRKIPGDKCQGGVNPVREVKDLKKKCTSNFLSPEKQNSKSN

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)



**Lyophilized Powder Delivery Form:** Pre-lyophilization: Lyophilized from a 0.2  $\mu$ m sterile filtered PBS, 6% Trehalose, pH 7.4

## 4. Storage Conditions

Upon receipt, store the product at  $-20^{\circ}\text{C}$  or  $-80^{\circ}\text{C}$ . It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## 5. Product Description

This product is a recombinant Human SORT1 partial protein (78-755aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. SORT1, also known as NT3 or Gp95 or NTR3, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.