

Recombinant Canine SORT1 Protein, His-tagged

Cat. No. SORT1-11150C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Canine Sortilin Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Ser 133 - Asn 810 (Accession # A0A8I3RR29). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Ser 133
Species	Canine
Source	HEK293
ProteinLength	133-810 aa
Description	Sortilin is a multifunctional type-I transmembrane protein belonging to the Vps10p-domain receptor family (Vps10p-Domain Receptors, Vps10p-DRs). Sortilin plays a central role in cellular protein sorting, signal transduction, and metabolism. Its dysfunction is closely related to neurodegenerative diseases, metabolic syndrome, and cancer, and it is a potential therapeutic target for diseases.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 77.6 kDa. The protein migrates as 85-95 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in

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lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name SORT1 sortilin 1 [*Canis lupus familiaris*]

Official Symbol SORT1

Synonyms SORT1; sortilin 1; sortilin;

Gene ID 479915

UniProt ID A0A8I3RR29

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