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Recombinant Human SorCS1 Protein (His tag)

产品货号: TP08134

第三版

别名:hSorCS;RP11-446H13.1

**描述:** VPS10 domain-containing receptor SorCS1, also known as SORCS1 and SORCS, is a single-pass type I membrane protein which belongs to the SORCS family and SORCS1 subfamily. SORCS1 contains five BNR repeats and one PKD domain. SorCS1 is a member of the Vps10p-domain receptor family comprised of Sortilin, SorCS1, SorCS2, SorCS3, and SorLA. The common characteristic of these receptors is an N-terminal Vps10p domain, which either represents the only module of the luminal/extracellular moiety or is combined with additional domains. Family members play roles in protein transport and signal transduction. The individual receptors bind and internalize a variety of ligands, such as neuropeptides and trophic factors, and Sortilin and SorLA mediate trans-Golgi network-to-endosome sorting. Their prominent neuronal expression, several of the identified ligands, and results support the notion that members of this receptor family have important functions in neurogenesis, plasticity-related processes, and functional maintenance of the nervous system. Sortilin and SorLA mediate intracellular protein trafficking and sorting. SorCS1 binds platelet-derived growth factor-BB (PDGF-BB) and is expressed in isoforms differing only in their cytoplasmic domains. SorCS1 binds platelet-derived growth factor, a growth factor crucial for pericyte recruitment to the microvasculature, and may thus have a role in expanding or maintaining the islet vasculature.

**配方:** PBS

**分子量:** 113 kDa

**序列:** Ser 111-Ser 1099

**纯度:** > 95% by HPLC

**浓度:**

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.