Recombinant Rat Cadherin-4 (Cdh4)

Product Code	CSB-MP720392RA
Abbreviation	Cdh4
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q63149
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	NVPENSRGPF PQQLVRIRSD KDNDIPIRYS ITGVGADQPP MEVFNIDSMS GRMYVTRPMD REERASYHLR AHAVDMNGNK VENPIDLYIY VIDMNDNRPE FINQVYNGSV DEGSKPGTYV MTVTANDADD STTANGMVRY RIVTQTPQSP SQNMFTINSE TGDIVTVAAG LDREKVQQYT VIVQATDMEG NLNYGLSNTA TAIITVTDVN DNPPEFTTST FAGEVPENRI ETVVANLTVM DRDQPHSPNW NAVYRIISGD PSGHFSVRTD PVTNEGMVTV VKAVDYELNR AFMLTI
Source	Mammalian cell
Target Names	Cdh4
Protein Names	Recommended name: Cadherin-4 Alternative name(s): Retinal cadherin Short name= R-CAD Short name= R-cadherin
Expression Region	1-296
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Extracellular domain
Target Details	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, this cadherin is thought to play an important role during brain segmentation and neuronal outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cell lines. Previously thought to interact in an exclusively homophilic manner, this is the first evidence of cadherin heterodimerization.
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.