



Recombinant Bovine Cadherin-2 (CDH2), partial

Product Code	CSB-MP005045BO1
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P19534
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	≥85% (SDS-PAGE)
Sequence	KRRDKERQAKQLLIDPEDDVRDNILKYDEEGGGGEDQDYDLSQLQQPDTVEP DAIKPVGI RRLDERPIHAEPQYPVRSAAHPG DIGDFINEGLKAADNDPTAPPYD SLLVFDY EGSGST AGSLSSLN SSSSGGEQDYDYLNDWGPFRFKKLADMYGGGDD
Source	Mammalian cell
Target Names	CDH2
Protein Names	Recommended name: Cadherin-2 Alternative name(s): Neural cadherin Short name= N-cadherin CD_antigen= CD325
Expression Region	718 – 877aa
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	Partial
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. The protein functions during gastrulation and is required for establishment of left-right asymmetry. At certain central nervous system synapses, presynaptic to postsynaptic adhesion is mediated at least in part by this gene product.
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.