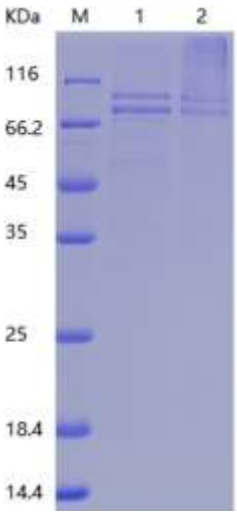
Recombinant Human Cadherin-3/CDH3 (C-His)

Catalog No: BP126

Description	Recombinant Human Cadherin-3 is produced by our Mammalian expression system and the target gene encoding Glu25-Gly654 is expressed with a 6His tag at the C-terminus.
Expression System	Human
Alternative name	Cadherin-3; Placental Cadherin; P-Cadherin; CDH3; CDHP
Accession No.	P22223
Predicted Molecular Weight	70.2kDa
Apparent Molecular Weight	66.2-116kDa
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
Formulation	PBS, pH 7.4
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Cadherin-3 (CDH3), also known as placental cadherin, is a single-pass type I membrane protein that belongs to the cadherin superfamily. CDH3 is expressed in some normal epithelial tissues and some carcinoma cell lines. CDH3 is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region, and a highly conserved cytoplasmic tail. It preferentially binds to one another in a homophilic manner. CDH3 plays a role in development, specifically in tissue formation. CDH3 is also involved in the loss of heterozygosity events in breast and prostate cancer. Mutations in CDH3 have been associated with congenital hypotrichosis with juvenile macular dystrophy.

SDS-PAGE



M: Marker

1: Sample in reducing conditions

2: Sample in non-reducing conditions