PRODUCT INFORMATION

Target	CDH3
Synonyms	CDHP; HJMD; PCAD
Description	Recombinant human CDH3(441-546) Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P22223
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	CDH3(Val441-Pro546) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 37.6 kDa after removal of the signal peptide. The apparent molecular mass of CDH3(441-546)-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene are associated with hypotrichosis with juvenile macular dystrophy and ectodermal dysplasia, ectrodactyly, and macular dystrophy syndrome (EEMS). [provided by RefSeq, Nov 2015]
Usage	Research use only
Conjugate	Unconjugated

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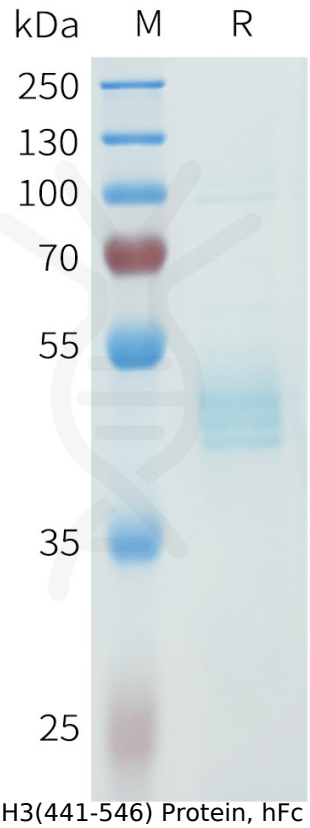


Figure 1. Human CDH3(441-546) Protein, hFc Tag on SDS-PAGE under reducing condition.

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