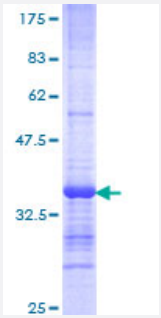
CDH23 (Human) Recombinant Protein (Q01)

Catalog # H00064072-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDH23 partial ORF (NP_071407, 29 a.a. - 114 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PFFTNHFFDTYLLISEDTPVGSSVTQLLAQDMDNDPLVFGVSGEEASRFFAVEPDTGVVWLRQP LDRETKSEFTVEFSVSDHQGVI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.2
Interspecies Antigen Sequence	Mouse (95); Rat (96)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CDH23

Entrez GeneID	64072
GeneBank Accession#	NM_022124
Protein Accession#	NP_071407
Gene Name	CDH23
Gene Alias	DFNB12, DKFZp434P2350, FLJ00233, FLJ36499, KIAA1774, KIAA1812, MGC102761, USH1D
Gene Description	cadherin-like 23
Omim ID	601067 601386 605516
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the cadherin superfamily, whose genes encode calcium dependent cell-cell adhesion glycoproteins. The encoded protein is a large, single-pass transmembrane protein composed of an extracellular domain containing 27 repeats that show significant homology to the cadherin ectodomain. Expressed in the neurosensory epithelium, the protein is thought to be involved in stereocilia organization and hair bundle formation. The gene is located in a region containing the human deafness loci DFNB12 and USH1D. Usher syndrome 1D and nonsyndromic autosomal recessive deafness DFNB12 are caused by allelic mutations of this cadherin-like gene. Two alternative splice variants have been identified that encode different isoforms. Additional variants have been observed but their full-length nature has not been determined. [provided by RefSeq
Other Designations	OTTHUMP00000044780|cadherin 23|cadherin related 23|cadherin-23|otocadherin

Disease

- Abnormalities
- Alzheimer Disease
- Deafness
- Genetic Predisposition to Disease
- Hearing Loss
- Personality Assessment
- Retinal Diseases
- Syndrome
- Tobacco Use Disorder
- Usher Syndromes