Datasheet for ABIN7317817

USH1C Protein (His tag)

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Overview

Quantity:	100 µg
Target:	USH1C
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This USH1C protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human USH1C/Harmonin Protein (His Tag)
Sequence:	Met 1-Phe 552
Characteristics:	A DNA sequence encoding the native human USH1C (Q9Y6N9-1) (Met 1-Phe 552) was expressed, with a polyhistide tag at the N-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.

Target Details

Target:	USH1C
Alternative Name:	USH1C/Harmonin (USH1C Products)
Background:	Background: Harmonin, also known as Antigen NY-CO-38 / NY-CO-37, Autoimmune enteropathy-related antigen AIE-75, Protein PDZ-73, Renal carcinoma antigen NY-REN-3, Usher syndrome type-1C protein and USH1C, is a protein which is expressed in small intestine, colon, kidney, eye and weakly in pancreas. USH1C is expressed also in vestibule of the inner ear.

Target Details

	USH1C contains 3 PDZ (DHR) domains. USH1C may be involved in protein-protein interaction. Defects in USH1C are the cause of Usher syndrome type 1C (USH1C), also known as Usher syndrome type I Acadian variety. USH is a genetically heterogeneous condition characterized by the association of retinitis pigmentosa and sensorineural deafness. Age at onset and differences in auditory and vestibular function distinguish Usher syndrome type 1 (USH1), Usher syndrome type 2 (USH2) and Usher syndrome type 3 (USH3). Defects in USH1C are also the cause of deafness autosomal recessive type 18 (DFNB18) which is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information. Synonym: AIE-75;DFNB18;DFNB18A;NY-CO-37;NY-CO-38;PDZ-45;PDZ-73;PDZ-73/NY-CO-38;PDZ73;PDZD7C;ush1cpst
Molecular Weight:	63.7 kDa
Pathways:	Sensory Perception of Sound

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 20 % glycerol, pH 7.7
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.