

Datasheet for ABIN7597326

USH2A Protein (AA 3956-4020) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	USH2A
Protein Characteristics:	AA 3956-4020
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USH2A protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human USH2A Protein with C-terminal human Fc tag
Sequence:	USH2A(Ser3956-Thr4020) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	USH2A
Alternative Name:	USH2A (USH2A Products)
Background:	US2, RP39, USH2, dJ11111A8.1 This gene encodes a protein that contains laminin EGF motifs, a pentaxin domain, and many fibronectin type III motifs. The protein is found in the basement membrane, and may be important in development and homeostasis of the inner ear and retina. Mutations within this

Target Details

	gene have been associated with Usher syndrome type IIa and retinitis pigmentosa. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]
Molecular Weight:	predicted molecular mass of 33.4 kDa after removal of the signal peptide. The apparent molecular mass of USH2A-hFc is 35-70 kDa due to glycosylation.
UniProt:	O75445
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: • Immunogens for antibody drug development • Reagents used for CAR-T positive cell monitoring • Reagents for antibody screening and functional testing • Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months