PRODUCT INFORMATION

Target	USH2A
Synonyms	US2; RP39; USH2; dJ1111A8.1
Description	Recombinant human USH2A Protein with N-terminal human Fc tag
Delivery	In Stock
Uniprot ID	O75445
Expression Host	HEK293
Tag	N-Human Fc tag
Molecular Characterization	hFc(Glu99-Ala330) USH2A(Ser3956-Thr4020)
Molecular Weight	The protein has a predicted molecular mass of 33.4 kDa after removal of the signal peptide. The apparent molecular mass of hFc-USH2A 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 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 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]
Usage	Research use only
Conjugate	Unconjugated

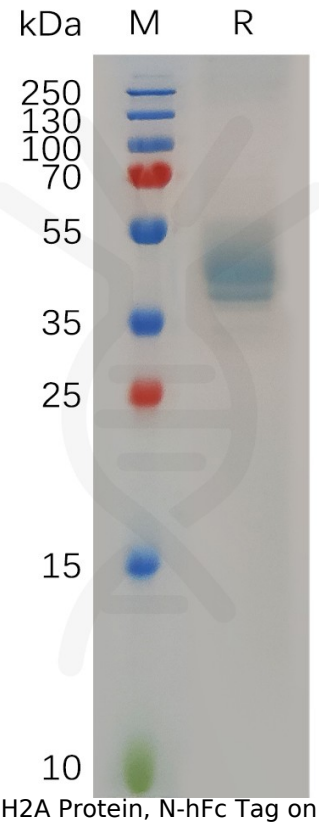

Figure 1. Human USH2A Protein, N-hFc Tag on SDS-PAGE under reducing condition.