## PRODUCT INFORMATION

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|---|---|
| **Target** | USH2A |
| **Synonyms** | US2; RP39; USH2; dJ1111A8.1 |
| **Description** | Recombinant human USH2A Protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | O75445 |
| **Expression Host** | HEK293 |
| **Tag** | C-Human Fc tag |
| **Molecular Characterization** | USH2A(Ser3956-Thr4020) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 33.4 kDa after removal of the signal peptide. The apparent molecular mass of USH2A-hFc is approximately 35-70 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 |

DIMA BIO CONFIDENTIAL

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

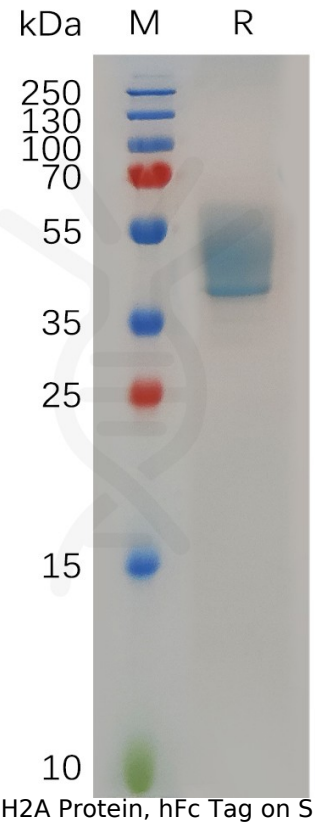



Figure 1. Human USH2A Protein, hFc Tag on SDS-PAGE under reducing condition.

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