HUMAN RNF43 PROTEIN, HFC TAG

: 11549

: Human RNF43 Protein

: 10 μg, 50 μg and 100 μg

: RNF124;SSPCS;URCC

Target: RNF43

UNIPROT ID: Q68DV7

: Recombinant human RNF43 protein with C-terminal human Fc tag

: The protein encoded by this gene is a RING-type E3 ubiquitin ligase and is predicted to contain a transmembrane domain, a protease-associated domain, an ectodomain, and a cytoplasmic RING domain. This protein is thought to negatively regulate Wnt signaling, and expression of this gene results in an increase in ubiquitination of frizzled receptors, an alteration in their subcellular distribution, resulting in reduced surface levels of these receptors. Mutations in this gene have been reported in multiple tumor cells, including colorectal and endometrial cancers. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2015]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 39.4 kDa after removal of the signal peptide. The apparent molecular mass of RNF43-hFc is approximately 40-70 kDa due to glycosylation.

Molecular Characterization: RNF43(Glu43-Tyr197) hFc(Glu99-Ala330)

:: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Product Description

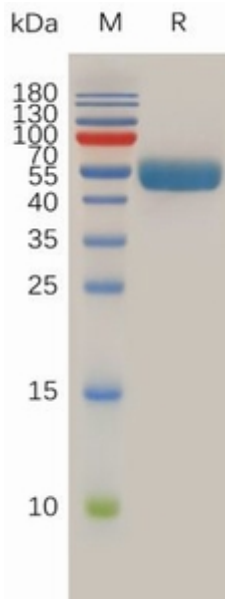Pioneering GTPase and Oncogene Product Development since 2010

Figure 1. Human RNF43 Protein, hFc Tag on SDS-PAGE under reducing condition.