PRODUCT INFORMATION

Target	RNF43
Synonyms	RNF124;SSPCS;URCC
Description	Recombinant human RNF43 protein with C-terminal mouse Fc tag
Delivery	In Stock
Uniprot ID	Q68DV7
Expression Host	HEK293
Tag	C-Mouse Fc Tag
Molecular Characterization	RNF43(Glu43-Tyr197) mFc(Pro99-Lys330)
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-mFc is approximately 40-70 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	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]
Usage	Research use only
Conjugate	Unconjugated

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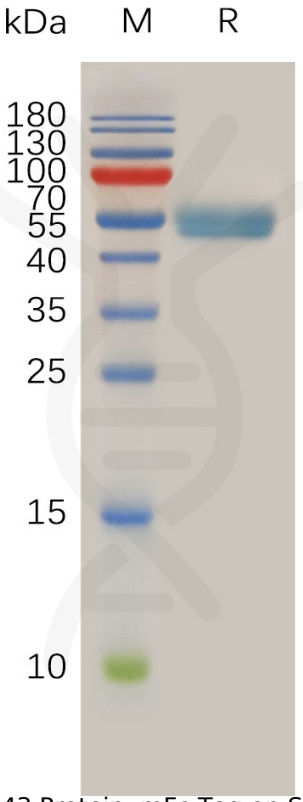


Figure 1. Human RNF43 Protein, mFc Tag on SDS-PAGE under reducing condition.

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