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Datasheet for ABIN7491091 AGR2 Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	AGR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGR2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human AGR2 protein with C-terminal human Fc tag
Specificity:	AGR2 (Arg21-Leu175) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	AGR2
Alternative Name:	AGR2 (AGR2 Products)
Background:	<p>AG-2, hAG-2, HPC8</p> <p>Description: This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a</p>

Target Details

catalytically active thioredoxin domain, and a C-terminal ER-retention sequence. This protein plays a role in cell migration, cellular transformation and metastasis and is as a p53 inhibitor. As an ER-localized molecular chaperone, it plays a role in the folding, trafficking, and assembly of cysteine-rich transmembrane receptors and the cysteine-rich intestinal glycoprotein mucin. This gene has been implicated in inflammatory bowel disease and cancer progression.
[provided by RefSeq, Mar 2017]

Molecular Weight: predicted molecular mass of 44.0 kDa after removal of the signal peptide. The apparent molecular mass of AGR2-hFc is 35-55 kDa due to glycosylation.

UniProt: [O95994](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 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