

## 32-17936: Recombinant Human AGR2 Protein, hFc Tag

**Uniprot ID :** O95994  
**Alternative Name :** AG-2, hAG-2, HPC8

### Description

Molecular Characterization: AGR2(Arg21-Leu175) hFc(Glu99-Ala330)

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

Description: Recombinant human AGR2 protein with C-terminal human Fc tag

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 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.

### Product Info

**Amount :** 100 µg / 50 µg

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** 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.