

Recombinant Human AGR2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AGR2-3191H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AGR2 MS Standard C13 and N15-labeled recombinant protein (NP_006399) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 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.
Molecular Mass	19.8 kDa
AA Sequence	MEKIPVSAFLLLVALSYTLARDTTVKPGAKKDTKDSRPKLPQTLRGWGDQLIWTQT YEEALYKSKTSNKPLMIIHHLDECPHSQALKKVFAENKEIQKLAEQFVLLNLVYETTDK HLSPDGQYVPRIMFVDPSLTVRADITGRYSNRLYAYEPADTALLDNMKKALKLLKTE LTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	AGR2 anterior gradient 2, protein disulphide isomerase family member [Homo sapiens (human)]
Official Symbol	AGR2
Synonyms	AGR2; anterior gradient 2 homolog (Xenopus laevis); anterior gradient protein 2 homolog; AG2; HAG 2; PDIA17; protein disulfide isomerase family A; member 17; XAG 2; AG-2; HPC8; anterior gradient homolog 2; secreted cement gland homolog; secreted cement gland protein XAG-2 homolog; protein disulfide isomerase family A, member 17; GOB-4; HAG-2; XAG-2;
Gene ID	10551
mRNA Refseq	NM_006408
Protein Refseq	NP_006399
MIM	606358

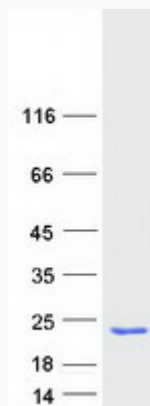
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UniProt ID

O95994

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