

Recombinant Full Length Human AGR2 Protein, C-Flag-tagged

Cat. No. AGR2-936HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human AGR2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	19.8 kDa
AA Sequence	MEKIPVSAFLLLVALSYTLARDTTVKPGAKKDTKDSRPKLPQTLSRGWGDQLIWTQT YEEALYKSKTSNK PLMIHHLDECPHSQALKKVFAENKEIQKLAEQFVLLNLVYETTD KHLSPDGQYVPRIMFVDPSLTVRAD ITGRYSNRLYAYEPADTALLLDNMKKALKLLKTELTRTRPLEQKLISEEDLAANDILDY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	KDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	AGR2 anterior gradient 2, protein disulphide isomerase family member [Homo sapiens (human)]
Official Symbol	AGR2
Synonyms	AG2; AG-2; HPC8; GOB-4; HAG-2; XAG-2; PDIA17; HEL-S-116
Gene ID	10551
mRNA Refseq	NM_006408.4

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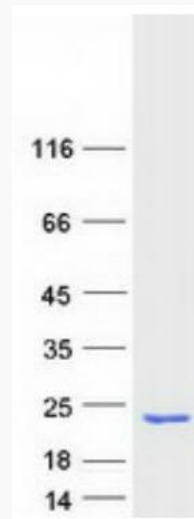
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Protein Refseq NP_006399.1

MIM 606358

UniProt ID O95994



Coomassie blue staining of purified AGR2 protein.

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