

Recombinant Human AGR3 Protein, His-tagged

Cat. No. AGR3-533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGR3 fused with His tag at C-terminal was expressed in HEK293.
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 gene is expressed in ciliated airway epithelial cells and, in mouse, plays a role in ciliary beat frequency in multiciliated cells. This gene is also over-expressed in breast, ovarian, and prostate cancers.
Form	Lyophilized from a 0.2 M filtered solution of 20mM Tris-HCl, 150mM NaCl, 2mM EDTA, pH 8.5. Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Molecular Mass	18.1 kDa
Endotoxin	< 0.1 EU per µg protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Concentration Resuspend the protein to the desired concentration in proper buffer.

GENE INFORMATION

Gene Name [AGR3 anterior gradient 3 homolog \(Xenopus laevis\) \[Homo sapiens \]](#)

Official Symbol [AGR3](#)

Synonyms AGR3; anterior gradient 3 homolog (Xenopus laevis); anterior gradient protein 3 homolog; BCMP11; breast cancer membrane protein 11; hAG 3; HAG3; PDIA18; protein disulfide isomerase family A; member 18; AG-3; anterior gradient homolog 3; protein disulfide isomerase family A, member 18; AG3; hAG-3;

Gene ID [155465](#)

mRNA Refseq [NM_176813](#)

Protein Refseq [NP_789783](#)

MIM [609482](#)

UniProt ID [Q8TD06](#)

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