

## Recombinant Human AGR3 Protein, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human AGR3 fused with His tag at C-terminal was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 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.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 18.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | < 0.1 EU per µg protein as determined by LAL test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | >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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