

# Recombinant Full Length Human AGR3 Protein, GST-tagged

**Cat. No.** AGR3-1555HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human BCMP11 full-length ORF ( NP_789783.1, 1 a.a. - 166 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	166 amino acids
<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>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	45.6 kDa
<b>AA Sequence</b>	MMLHSALGLC LLLVTVSSNL AIAIKKEKRP PQTLSRGWGD DITWVQTYEE GLFYAQKSKK PLMVIHHLED CQYSQALKKV FAQNEEIQEM AQNKFIMLNL MHETTDKNLS PDGQYVPRIM FVDPSLTVRA DIAGRYSNRL YTYEPRDLPL LIENMKKALR LIQSEL

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**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution 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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