AGR3 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	AGR3, Lysate
Full Product Name	Human AGR3 Protein Lysate
Product Gene Name	AGR3 lysate
Product Synonym Names	AGR3; AG-3; AG3; BCMP11; hAG-3; HAG3; PDIA18
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	19.5 kDa (169aa), confirmed by MALDI-TOF
OMIM	609482
3D Structure	ModBase 3D Structure for Q8TD06
Related Product Information for AGR3 lysate	Human AGR3 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of AGR3 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AGR3 purchase	MBS137015 is a lysate targeting AGR3. Also known as Human AGR3 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AGR3. It may not necessarily be applicable to this product.

NCBI GI #	28827801
NCBI GeneID	155465
NCBI Accession #	NP_789783
UniProt Primary Accession #	Q8TD06
UniProt Secondary Accession #	A4D120
UniProt Related Accession #	Q8TD06
GenBank Nucleotide #	NM_176813
NCBI Official Full Name	anterior gradient protein 3
NCBI Official Synonym Full Names	anterior gradient 3, protein disulphide isomerase family member
NCBI Official Symbol	AGR3
NCBI Official Synonym Symbols	AG3; AG-3; HAG3; hAG-3; BCMP11; PDIA18
UniProt Protein Name	Anterior gradient protein 3 homolog
UniProt Synonym Protein Names	Breast cancer membrane protein 11

Protein Family	Anterior gradient protein
UniProt Gene Name	AGR3
UniProt Synonym Gene Names	BCMP11; AG-3; AG3; hAG-3
UniProt Entry Name	AGR3_HUMAN
NCBI Protein Information	anterior gradient protein 3
NCBI Summary for AGR3	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 prostrate cancers. [provided by RefSeq, Dec 2016]
UniProt Comments for AGR3	AGR3: Belongs to the AGR family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 7p21.1 Cellular Component: extracellular region Molecular Function: protein binding
Research Articles on AGR3	**1.** transcriptionally activated in hepatitis C virus-infected cells by HCV NS5A
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