



Recombinant Protein Technical Manual

Recombinant Mouse AGR3 Protein (His Tag)

RPES2177

Product Data:

Product SKU: RPES2177

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q8R3W7

Protein Information:

Molecular Mass: 18.1 kDa

AP Molecular Mass: 16 kDa

Tag: C-His

Bio-activity:

Purity: > 90% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris, 10% Glycerol, 100mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Anterior gradient protein 3; AGR3; AG3; BCMP11

Immunogen Information:

Sequence: Ile21-Leu165

Background:

Anterior gradient protein 3 (AGR3) is an 18 kDa member of the AGR family of proteins. It is expressed in the ciliated cells of the airway epithelium, not detected in the mucous cells. Mature human AGR3 shares 92% amino acid sequence identity with mouse AGR3. It is required for calcium-mediated regulation of ciliary beat frequency and mucociliary clearance in the airway. AGR3 might be involved in the regulation of intracellular calcium in tracheal epithelial cells.