

## Product datasheet for **TP720456L**

### AGR3 (NM\_176813) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human anterior gradient homolog 3 (Xenopus laevis) (AGR3)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Ile22-Leu166
Tag:	C-His
Predicted MW:	18.1 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_789783</a>
Locus ID:	155465
UniProt ID:	<a href="#">Q8TD06</a>
Cytogenetics:	7p21.1
Synonyms:	AG-3; AG3; BCMP11; hAG-3; HAG3; PDIA18



[View online »](#)

**Summary:**

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. [provided by RefSeq, Dec 2016]

**Protein Families:**

Secreted Protein

**Product images:**