

Product datasheet for **TP308897L**

AGR3 (NM_176813) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human anterior gradient homolog 3 (<i>Xenopus laevis</i>) (AGR3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208897 protein sequence Red =Cloning site Green =Tags(s)
	MMLHSALGLCLLLVTSSNLAIAIKKEKRPPQTLSRGWGDDITWVQTYEEGLFYAQKSKKPLMVIHHLED CQYSQALKKVFAQNEEQEMAQNKFIMLNLMHETTDKNLSPDGQYVPRIMFVDPVSLTVRADIAGRYSNRL YTYEPRDLPLLIENMKKALRLIQSEL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	19 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_789783
Locus ID:	155465
UniProt ID:	Q8TD06
RefSeq Size:	763



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Cytogenetics: 7p21.1

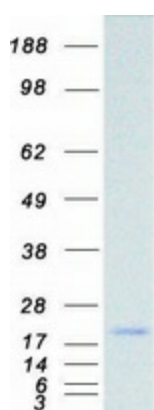
RefSeq ORF: 498

Synonyms: AG-3; AG3; BCMP11; hAG-3; HAG3; PDIA18

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:



Coomassie blue staining of purified AGR3 protein (Cat# [TP308897]). The protein was produced from HEK293T cells transfected with AGR3 cDNA clone (Cat# [RC208897]) using MegaTran 2.0 (Cat# [TT210002]).