

Product datasheet for **TP720358L**

AGR2 (NM_006408) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human anterior gradient homolog 2 (Xenopus laevis) (AGR2)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	R21-L175
Tag:	C-6His
Predicted MW:	18.9 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
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_006399
Locus ID:	10551
UniProt ID:	O95994 , Q4JM46
Cytogenetics:	7p21.1
Synonyms:	AG-2; AG2; GOB-4; HAG-2; HEL-S-116; HPC8; PDIA17; XAG-2



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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 protein plays a role in cell migration, cellular transformation and metastasis and is as a p53 inhibitor. As an ER-localized molecular chaperone, it plays a role in the folding, trafficking, and assembly of cysteine-rich transmembrane receptors and the cysteine-rich intestinal glycoprotein mucin. This gene has been implicated in inflammatory bowel disease and cancer progression. [provided by RefSeq, Mar 2017]

Protein Families:

Secreted Protein

Product images: