

Product datasheet for **TP302023L**

AGR2 (NM_006408) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human anterior gradient homolog 2 (Xenopus laevis) (AGR2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202023 representing NM_006408 Red =Cloning site Green =Tags(s)
	 MEKIPVSAFLLLVALSYYTLARDTTVKPGAKKDTKDSRPKLPQTLSRGWGDQLIWTQTYEEALYKSKTSNK PLMIIHHLDECPHSQALKKVFENKEIQKLAEQFVLLNLVYETTDKHLSPDGQYVPRIMFVDPSLTVRAD ITGRYSNRLYAYEPADTALLLDNMKKALKLLKTEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	19.8 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_006399
Locus ID:	10551
UniProt ID:	O95994 , Q4JM46
RefSeq Size:	1701



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Cytogenetics: 7p21.1

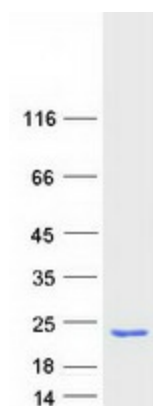
RefSeq ORF: 525

Synonyms: AG-2; AG2; GOB-4; HAG-2; HEL-S-116; HPC8; PDIA17; XAG-2

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:



Coomassie blue staining of purified AGR2 protein (Cat# [TP302023]). The protein was produced from HEK293T cells transfected with AGR2 cDNA clone (Cat# [RC202023]) using MegaTran 2.0 (Cat# [TT210002]).