

Product datasheet for PH302023

AGR2 (NM_006408) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AGR2 MS Standard C13 and N15-labeled recombinant protein (NP_006399)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202023
Predicted MW:	19.8 kDa
Protein Sequence:	>RC202023 representing NM_006408 Red=Cloning site Green=Tags(s) MEKIPVSAFLLLVALS YTLARDTTVKPGAKKDTKDSRPKLPQTL SRGWG DQLIWTQTYEEALYKSKTSNK PLMI IHHLDECPHSQALKKVF AENKEIQKLAEQFVLLNLVYETTDKHLSPDGQYVPRIMFVDP SLTVRAD ITGRYSNRLYAYEPADTALLLDNMKKALKLLKTEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006399
RefSeq Size:	1701
RefSeq ORF:	525
Synonyms:	AG-2; AG2; GOB-4; HAG-2; HEL-S-116; HPC8; PDIA17; XAG-2
Locus ID:	10551
UniProt ID:	O95994 , Q4IM46



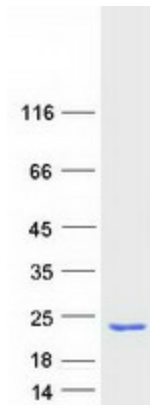
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Cytogenetics: 7p21.1

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]).