

Product datasheet for PH308897

AGR3 (NM_176813) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AGR3 MS Standard C13 and N15-labeled recombinant protein (NP_789783)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208897
Predicted MW:	19.2 kDa
Protein Sequence:	>RC208897 protein sequence Red =Cloning site Green =Tags(s) MMLHSALGLCLLLVTVSSNLAIKKEKRPPQTLSRGWGDDITWVQTYEEGLFYAQKSKKPLMVIHLED CQYSQALKKVFAQNEEQEMAQNKFIMLNLMHETTDKNLSPDGQYVPRIMFVDPSTVRADIAGRYSNRL YTYEPRDLPLLIENMKKALRLIQSEL 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_789783
RefSeq Size:	763
RefSeq ORF:	498
Synonyms:	AG-3; AG3; BCMP11; hAG-3; HAG3; PDIA18
Locus ID:	155465
UniProt ID:	Q8TD06



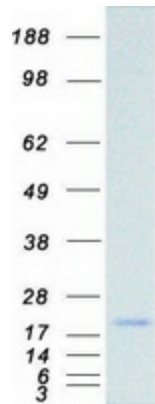
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Cytogenetics: 7p21.1

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 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]).