

Catalog No.: RP03566LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	10551	O95994

C-His

AGR2; AG2; UNQ515/PRO1030;Anterior
gradient protein 2 homolog; AG-2;
hAG-2; HPC8

Source <i>E. coli</i>	Purification > 95% as determined by Bis-Tris PAGE, > 95% as determined by HPLC
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18.77 kDa 15-25 kDa

< 1 EU/μg of the protein by LAL method.

Supplied as 0.22µm filtered solution in 50mM Tris, 300mM NaCl, 1mM TCEP (pH 7.5).

Contact

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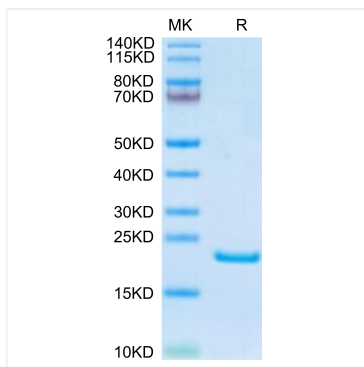
Required for MUC2 post-transcriptional synthesis and secretion. May play a role in the production of mucus by intestinal cells . Proto-oncogene that may play a role in cell migration, cell differentiation and cell growth. Promotes cell adhesion.

Recombinant Human AGR-2 Protein is produced by *E. coli* Cells system. The target protein is expressed with sequence (Arg21-Leu175) of Human AGR-2 (Accession # NP_006399.1) fused with His tag at the C-Terminus.

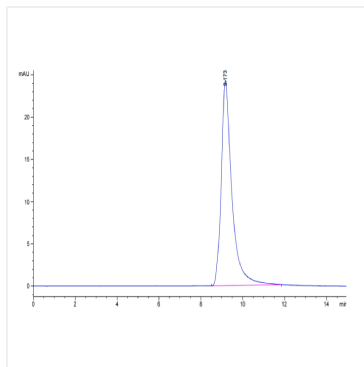
Human EpCAM, hFc Tag captured on CM5 Chip via Protein A can bind Human AGR-2, His Tag with an affinity constant of $6.91 \mu\text{M}$ as determined in SPR assay.

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

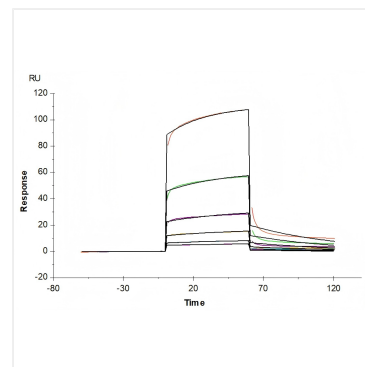
Validation Data



Recombinant Human AGR-2 Protein was determined by Bis-Tris PAGE.



The purity of Human AGR-2 is greater than 95% as determined by SEC-HPLC.



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