

Human AGR-2 Protein

Cat. No. AGR-HE102

Description

| | |
|-------------------------|---|
| Source | Recombinant Human AGR-2 Protein is expressed from E.coli with His tag at the C-Terminus. It contains Arg21-Leu175. |
| Accession | NP_006399.1 |
| Molecular Weight | The protein has a predicted MW of 18.77 kDa same as Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

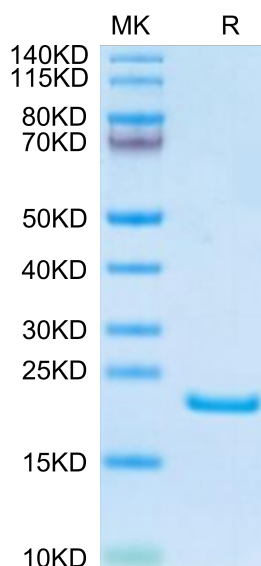
| | |
|--------------------|--|
| Formulation | Supplied as 0.22µm filtered solution in 50mM Tris, 300mM NaCl, 1mM TCEP (pH 7.5). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

Anterior gradient homolog 2 (AGR2) is a functional protein with critical roles in a diverse range of biological systems, including vertebrate tissue development, inflammatory tissue injury responses, and cancer progression.

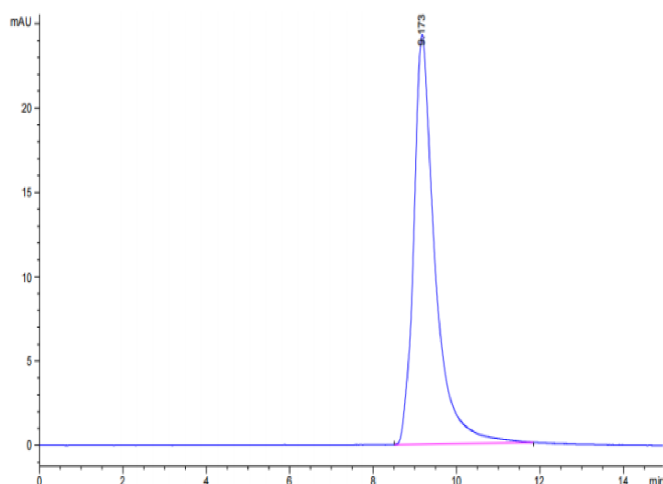
Assay Data

Bis-Tris PAGE



Human AGR-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

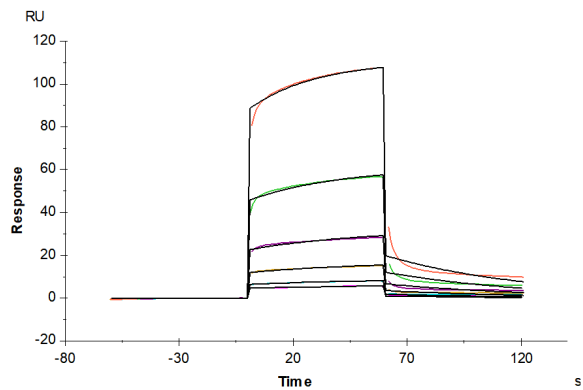
SEC-HPLC



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

SPR Data

Assay Data



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 μ M as determined in SPR assay (Biacore T200).