

## Arylsulfatase G (ARSG)

### Product Information

|                                 |                                                                                                                                                                                                                                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cat#</b>                     | DIA-631                                                                                                                                                                                                                                            |
| <b>Descriptions</b>             | Arylsulfatase G (ARSG) is a lysosome-localized sulfatase that degrades multiple sulfated glycoconjugates, regulates intracellular sulfate ester metabolic balance, and supports studies on lysosomal metabolic pathways and related rare diseases. |
| <b>Applications</b>             | Arylsulfatase G (ARSG) is applied in lysosomal metabolic pathway detection kit development and sulfated glycoconjugate metabolism assay reagent preparation.                                                                                       |
| <b>CAS No.</b>                  | 31-6-1062                                                                                                                                                                                                                                          |
| <b>Enzyme Commission Number</b> | EC 3.1.6.1                                                                                                                                                                                                                                         |
| <b>Enzyme Source</b>            | Chinese Hamster Ovary cell line, CHO-derived mouse Arylsulfatase G/ARSG protein.                                                                                                                                                                   |
| <b>Reaction</b>                 | An aryl sulfate + H <sub>2</sub> O = A phenol + H <sup>+</sup> + sulfate                                                                                                                                                                           |
| <b>Activity Definition</b>      | Measured by its ability to hydrolyze the substrate 4-Nitrocatechol Sulfate (PNCS) under the described conditions.                                                                                                                                  |