# Recombinant Full Length Human INVS Protein, GST-tagged

**Cat. No.** INVS-5686HF **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human INVS full-length ORF ( AAH06370, 1 a.a. - 101 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | In Vitro Cell Free System |
| **ProteinLength** | 101 amino acids |
| **Description** | This gene encodes a protein containing multiple ankyrin domains and two IQ calmodulin-binding domains. The encoded protein may function in renal tubular development and function, and in left-right axis determination. This protein interacts with nephrocystin and infers a connection between primary cilia function and left-right axis determination. A similar protein in mice interacts with calmodulin. Mutations in this gene have been associated with nephronophthisis type 2. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq |
| **Molecular Mass** | 36.85 kDa |
| **AA Sequence** | MNKSENLLFAGSSLASQVHAAAVNGDKGALQRLIVGNSALKDKEDQFGRTPLMYCV LADRLDCADALLKAGADVNKTDHSQRTALHLAAQKALRTISTGRI |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production |

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| | Protein Array |
| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | INVS inversin [ Homo sapiens ] |
| **Official Symbol** | INVS |
| **Synonyms** | INVS; inversin; nephronophthisis 2 (infantile) , NPHP2; nephrocystin 2; nephrocystin-2; inversion of embryonic turning; inversion of embryo turning homolog; INV; NPH2; NPHP2; KIAA0573; MGC133080; MGC133081; |
| **Gene ID** | 27130 |
| **mRNA Refseq** | NM_014425 |
| **Protein Refseq** | NP_055240 |
| **MIM** | 243305 |
| **UniProt ID** | Q9Y283 |

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