

## Product datasheet for **TP720656M**

### WIF1 (NM\_007191) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Human WNT inhibitory factor 1 (WIF1)  |
| Species:                              | Human   |
| Expression Host:                      | HEK293  |
| Expression cDNA Clone or AA Sequence: | Gly29-Trp379  |
| Tag:                                  | C-His   |
| Predicted MW:                         | 39.47 kDa   |
| Concentration:                        | lot specific  |
| Purity:                               | >95% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl   |
| Endotoxin:                            | Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)   |
| Reconstitution Method:                | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage:                              | Store at -80°C.   |
| Stability:                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.   |
| RefSeq:                               | <a href="#">NP_009122</a>   |
| Locus ID:                             | 11197   |
| UniProt ID:                           | <a href="#">Q9Y5W5</a>  |
| RefSeq Size:                          | 2240  |
| Cytogenetics:                         | 12q14.3   |
| RefSeq ORF:                           | 1137  |
| Synonyms:                             | WIF-1   |



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|--------------------------|--|
| <b>Summary:</b>          | The protein encoded by this gene functions to inhibit WNT proteins, which are extracellular signaling molecules that play a role in embryonic development. This protein contains a WNT inhibitory factor (WIF) domain and five epidermal growth factor (EGF)-like domains, and is thought to be involved in mesoderm segmentation. This gene functions as a tumor suppressor gene, and has been found to be epigenetically silenced in various cancers. [provided by RefSeq, Jun 2010] |
| <b>Protein Families:</b> | Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway   |
| <b>Protein Pathways:</b> | Wnt signaling pathway  |