

## Recombinant Human ODF3, His-tagged

**Cat. No.** ODF3-7712H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human Poliovirus Receptor/PVR is produced with our mammalian cells expression system in HEK293. The target protein is expressed with sequence (Trp21Asn343) of Human PVR fused with a polyhistidine tag at the Cterminus.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Poliovirus Receptor (PVR) is a 70 kDa type I transmembrane singlespan glycoprotein that belongs to the nectinlike (Nect) family and was originally identified based on its ability to mediate the cell attachment and entry of poliovirus (PV), an etiologic agent of the central nervous system disease poliomyelitis. PVR contains three Iglike extracellular domains, a transmembrane segment, and a cytoplasmic tail. The normal cellular function of PVR maybe the involvement of intercellular adhesion between epithelial cells. Alternate splicing of the PVR mRNA yields four different isoforms (alpha, beta, gamma, and ??) with identical extracellular domains. |
| <b>Form</b>             | Supplied as a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | WPPPGTGDVV VQAPTQVPGF LGDSVTLPCY LQVPNMEVTH VSQLTWARHG<br>ESGSMVVFHQ TQGPSYSES KRLEFVAARL GAELRNASLR MFGLRVEDEG<br>NYTCLFVTFP QGSRSDIWL R VLAKPQNT AEVQKVQLTG EPVPMARCVS<br>TGGRPPAQIT WHSDLGGMPN TSQVPGFLSG TV TVTSLWI LVPSSQVDGK<br>NVTCKVEHES FEKPQLLTVN LTVYYPPEVS ISGYDNNWYL GQN EATLTC                                                                                                                                                                                                                                                                                                                                                                                 |

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|                |                                                                                                |
|----------------|------------------------------------------------------------------------------------------------|
|                | DARSNPEPTG                                                                                     |
| <b>Purity</b>  | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.                              |
| <b>Notes</b>   | For research use only.                                                                         |
| <b>Storage</b> | Store at less than 20°C. stable for 6 months after receipt. Please minimize freezethaw cycles. |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ODF3 outer dense fiber of sperm tails 3 [ Homo sapiens ]                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>     | ODF3                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>            | ODF3; outer dense fiber of sperm tails 3; outer dense fiber protein 3; cancer/testis antigen 135; CT135; hSHIPPO; SHIPPO1; sperm tail protein SHIPPO1; sperm tail protein SHIPPO 1; outer dense fiber of sperm tails protein 3; transcript induced in spermiogenesis protein 50; TISP50; |
| <b>Gene ID</b>             | 113746                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | NM_053280                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_444510                                                                                                                                                                                                                                                                                |
| <b>MIM</b>                 | 608356                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>          | Q96PU9                                                                                                                                                                                                                                                                                   |
| <b>Chromosome Location</b> | 11p15.5                                                                                                                                                                                                                                                                                  |

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