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## **ORMDL1 + ORMDL2 + ORMDL3 Antibody Blocking Peptide**

Catalog Number: bs-18035P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** The ORMDL (ORM1-like) family of proteins consist of ORMDL1, ORMDL2 and ORMDL3; all of which are human homologs of the *S. cerevisiae* ORM1 protein. Localized to the membrane of the endoplasmic reticulum, ORMDLs are multi-pass membrane proteins that are implicated in  $\gamma$ -secretase (BACE) function, as well as expression of Presenilin (PSI), a protein involved in Alzheimer's disease (AD). ORMDL1 (ORM1-like protein 1), also known as Adoplin-1, is a widely expressed 153 amino acid member of the ORMDL family. Expression of ORMDL1 is down-regulated in PSI mutations, suggesting a possible role as a therapeutic target for AD. ORMDL2 (ORM1-like protein 2), also known as Adoplin-2, and ORMDL3 (ORM1-like protein 3) are expressed in tissues such as heart, brain, lung, liver and kidney. ORMDL3 exists as two isoforms due to alternative splicing events and may be a determinant of susceptibility to childhood asthma