FPR1

fMet-Leu-Phe receptor

Catalog No.	CSH3092MP CSH3092PR	**Quantity:**	10 mg 50 µg

Alternate Names: FMLP, Formyl Peptide Receptor 1, N-Formylpeptide Chemoattractant Receptor, FMLP Receptor

Description: FPR1 encodes the cell surface receptor protein fMet-Leu-Phe, a G protein-coupled receptor 1 family protein that binds and is activated by N-Formylmethionine-containing oligopeptides, particularly N-Formylmethionine-leucyl-phenylalanine (FMLP). The formyl peptide receptor family, FPR1, FPR2 and FPR3 are Gi-protein-coupled receptors that are expressed mainly by mammalian phagocytic leukocytes. FPRs are involved in antibacterial host defense and inflammation. FPR1 is prominently expressed by mammalian phagocytic cells where it mediates cellular responses to the N-formylmethionine-containing oligopeptides released by invading microorganisms and injured tissues.

The receptor is available in the following formats: stable over-expression cell line, membrane preparation, or purified receptor in HEK293 or CHO. Various tagged versions are available.

Gene ID: 2357

UniProtKB: P21462

Format: Cell line, membrane preparation, or purified protein

Source: HEK 293 or CHO cells

Characterization: Expression verified by flow cytometry. Receptor demonstrates biological activity when tested in a radioligand assay.

Affinity Tag Options: 4S-H: 2 x TwinStrep Tag at the amino-terminus, His_{10} tag at the carboxy-terminus

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