



Recombinant Human OR51E2 Protein Product Manual

1. Product Basic Information

Product No.: REP07698

Protein Name: Olfactory Receptor 51E2 (OR51E2)

Aliases: PSGR; HPRAJ; OR52A2; OR51E3P; olfactory receptor 51E2; olfactory receptor OR11-16; prostate-specific G-protein coupled receptor

UniProt ID: Q9H255

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9H255/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length (1-320aa)

Molecular Weight: 36.9 kDa

Protein Tag: C-terminal 10xHis-tagged(This tag can be tested only under denaturing conditions)

2. Amino Acid Sequence (1-320aa)

MSSCNFTTHATFVLIGIPGLEKAHFWVGFPLLSMYVVAMFGNCIVVFIVRTERSLHAP
MYLFLCMLAAIDLALSTSTMPKILALFWFDSREISFEACLTQMFFIHLSAIESTILLAM
AFDRYVAICHPLRHA AVLNNTVTAQIGIVAVVRGSLFFFPLPLLIKRLAFCHSNVLSHS
YCVHQDVMKLAYADTLPNVVYGLTAILLVMGVDVMFISLSYFLIIRTVLQLPSKSERA
KAFGTCVSHIGVVLA FYVPLIGLSVVHRFGNSLHPIVRVVMGDIYLLPPVINPIIYGAK
TKQIRTRVLAMFKISCDKDLQAVGGK

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization: Lyophilized from a 0.2 μ m filtered PBS, 6% Trehalose, pH 7.4.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human OR51E2 full length protein (1-320aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. OR51E2, also known as PSGR or HPRAJ or OR52A2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.