

# Recombinant Human NPSR1 Protein

**Cat. No.** NPSR1-6047H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Human NPSR1 full-length ORF (ADR82967.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | <p>This gene is a member of the G protein-coupled receptor 1 family and encodes a plasma membrane protein. Increased expression of this gene in ciliated cells of the respiratory epithelium and in bronchial smooth muscle cells is associated with asthma. Mutations in this gene have also been associated with this disease. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq]</p> |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 41.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | <p>MPANFTEGSFDSSGTGQTLDSSPVACTETVTFTEVVEGKEWGSFYYSFKTEQLITL<br/> WVLFVFTIVGNSVVLFFSTWRRKKKSRMTFFVTQLAITDSFTGLVNILTDINWRFTGDF<br/> TAPDLVCRVVRYLQVVLLYASTYVLVSLSIDRYHAIVYPMKFLQGEKQARVLIVIAWSL<br/> SFLFSIPTLIIFGKRTLSTNGEVQCWALWPDDSYWTPYMTIVAFLVYFIPLTIISIMYGIVI<br/> RTIWIKSKTYETVISNCSDBGKLCSSYNRGLISKAKIKAIKYSIIIIILAFICCWSPYFLFDILD<br/> NFNLLPDTQERFYASVIIQNLPALNSAINPLIYCVFSSSISFPCRVIRLRQLQEALMLC<br/> PQRENWKGTPGVPSPWALPR</p>                                                                        |

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| <b>Applications</b>     | Antibody Production<br>Functional Study<br>Compound Screening                                                                                                                                                                                                                                                                                                                                        |
| <b>Usage</b>            | Heating may cause protein aggregation. Please do not heat this product before electrophoresis.                                                                                                                                                                                                                                                                                                       |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Buffer</b>   | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                                                                                                                                                                                                                                                                                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Gene Name</b>        | NPSR1 neuro peptide S receptor 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                    |
| <b>Official Symbol</b>  | NPSR1                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>         | NPSR1; neuro peptide S receptor 1; G protein coupled receptor 154 , GPR154; neuro peptide S receptor; GPRA; PGR14; G protein-coupled receptor 154; G-protein coupled receptor 154; G-protein coupled receptor PGR14; vasopressin receptor-related receptor 1; G protein-coupled receptor for asthma susceptibility; G-protein coupled receptor for asthma susceptibility; NPSR; VRR1; ASRT2; GPR154; |
| <b>Gene ID</b>          | 387129                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_207172                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>   | NP_997055                                                                                                                                                                                                                                                                                                                                                                                            |

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| UniProt ID | Q6W5P4 |
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