

## Recombinant Human SLC15A2 Protein (N2-L729), 8×His-MBP, Flag tagged

**Cat. No.** SLC15A2-0913H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human 8His-MBP-TEV-(GG)-SLC15A2(N2-L729)-Flag Protein was expressed in Insect cell.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | N2-L729                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Proton-coupled amino-acid transporter that transports oligopeptides of 2 to 4 amino acids with a preference for dipeptides (). Transports the dipeptide-like aminopeptidase inhibitor bestatin. Can also transport the aminocephalosporin antibiotic cefadroxil. Also able to transport carnosine. Involved in innate immunity by promoting the detection of microbial pathogens by NOD-like receptors (NLRs). Probably acts by mediating transport of bacterial peptidoglycans across the plasma membrane: catalyzes the transport of certain bacterial peptidoglycans, such as muramyl dipeptide (MDP), the NOD2 ligand. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                           |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Storage Buffer</b> | Formulation:                                                                                                                                                        |
| <b>Shipping</b>       | It is shipped out with blue ice.                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SLC15A2 solute carrier family 15 (H <sup>+</sup> /peptide transporter), member 2 [ Homo sapiens (human) ]                                                                                                                                  |
| <b>Official Symbol</b> | SLC15A2                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | SLC15A2; solute carrier family 15 (H <sup>+</sup> /peptide transporter), member 2; solute carrier family 15 member 2; PEPT2; peptide transporter 2; kidney H(+)/peptide cotransporter; oligopeptide transporter, kidney isoform; FLJ33407; |
| <b>Gene ID</b>         | 6565                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_001145998                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_001139470                                                                                                                                                                                                                               |
| <b>MIM</b>             | 602339                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>      | Q16348                                                                                                                                                                                                                                     |

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