

# Recombinant Human ITLN1

**Cat. No.** ITLN1-29872TH **Lot. No.** (See product label)

## SPECIFICATION

|                           |                                                                                                                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant full length humanITLN1contains 303 amino acids with a molecular weight of 35 kDa. Amino acid numbers 231-240 are missing as compared to                                                                                                             |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                           |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>      | 231-240 a.a.                                                                                                                                                                                                                                                    |
| <b>Description</b>        | Intelectin-1 also known as the intestinal lactoferrin receptor is a protein that in humans is encoded by the ITLN1 gene. Intelectin-1 functions both as a receptor for bacterial arabinogalactans and for lactoferrin.                                          |
| <b>Tissue specificity</b> | Highly expressed in omental adipose tissue where it is found in stromal vascular cells but not in fat cells but is barely detectable in subcutaneous adipose tissue (at protein level). Highly expressed in the small intestine. Also found in the heart, testi |
| <b>Form</b>               | Lyophilised:It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.                                                                            |
| <b>Purity</b>             | >95% by SDS-PAGE                                                                                                                                                                                                                                                |
| <b>Storage buffer</b>     | Preservative: NoneConstituents: 0.5% Mannitol, 5mM Sodium phosphate, pH 7.5                                                                                                                                                                                     |

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|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                  | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                           |
| <b>Sequences of amino acids</b> | <p>MNQLSFLFL IATTRGWSTD EANTYFKEWT CSSPSLPRS CKEIKDECPS</p> <p>AFDGLYFLRT ENGVYQTF CDMTSGGGGWT LVASVHENDM RGKCTVGDRW</p> <p>SSQQGSKADY PEGDGNWANY NTFGSAEAAT SDDYKNPGYY DIQAKDLGIW</p> <p>HVPNKSPMQH WRNSSLLRYR TDTGFLQTLG HNLFGIYQKY PVKYGEGKCW</p> <p>TDNGPVIPIV YDFGDAQKTA SYSPYQGRE FNNERAANAL CAGMRVTGCN</p> <p>TEHHCIGGGG YFPEASPQQC GDFSGFDWSG YGTHVGYSSS REITEAAVLL</p> |
| <b>Sequence Similarities</b>    | Contains 1 fibrinogen C-terminal domain.                                                                                                                                                                                                                                                                                                                                        |
| <b>Full Length</b>              | Full L.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b>         |                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>                | <a href="#">ITLN1</a> <a href="#">intelectin 1 (galactofuranose binding)</a> [ <a href="#">Homo sapiens</a> ]                                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b>          | <a href="#">ITLN1</a>                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>                 | ITLN1; <a href="#">intelectin 1 (galactofuranose binding)</a> ; <a href="#">intelectin-1</a> ; <a href="#">FLJ20022</a> ; <a href="#">hIntL</a> ; <a href="#">HL 1</a> ; <a href="#">ITLN</a> ; <a href="#">LFR</a> ;                                                                                                                                                           |
| <b>Gene ID</b>                  | <a href="#">55600</a>                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>              | <a href="#">NM_017625</a>                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>           | <a href="#">NP_060095</a>                                                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>                      | <a href="#">609873</a>                                                                                                                                                                                                                                                                                                                                                          |

|                            |                                  |
|----------------------------|----------------------------------|
| <b>Uniprot ID</b>          | Q8WWA0                           |
| <b>Chromosome Location</b> | 1q21.3                           |
| <b>Function</b>            | receptor binding; sugar binding; |

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