

Recombinant Human ITSN1, GST-tagged

Cat. No. ITSN1-16H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITSN1(588 a.a. - 675 a.a) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	588-675 a.a.
Description	The protein encoded by this gene is a cytoplasmic membrane-associated protein that indirectly coordinates endocytic membrane traffic with the actin assembly machinery. In addition, the encoded protein may regulate the formation of clathrin-coated vesicles and could be involved in synaptic vesicle recycling. This protein has been shown to interact with dynamin, CDC42, SNAP23, SNAP25, SPIN90, EPS15, EPN1, EPN2, and STN2. Multiple transcript variants encoding different isoforms have been found for this gene, but the full-length nature of only two of them have been characterized so far.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	35.42 kDa
AA Sequence	EVEKETRSKLQEIDIFNNQLKELREIHNKQQLQKQKSMEAERLKQKEQERKIIIELEKQ KEEAQRRAQERDKQWLE HVQQEDEHQRPRK

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Applications	AP, Array, ELISA, WB-Re
Usage	For research use only (RUO)
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ITSN1 intersectin 1 (SH3 domain protein) [Homo sapiens]
Official Symbol	ITSN1
Synonyms	ITSN; SH3D1A; SH3P17; intersectin-1; SH3 domain-containing protein 1A; Src homology 3 domain-containing protein; human intersectin-SH3 domain-containing protein SH3P17; intersectin 1 short form variant 3; intersectin 1 short form variant, 11; intersectin short variant 12
Gene ID	6453
mRNA Refseq	NM_003024
Protein Refseq	NP_003015
MIM	602442
UniProt ID	Q15811
Chromosome Location	21q22.1-q22.2

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Pathway

Axon guidance, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Developmental Biology, organism-specific biosystem

Function

Rho guanyl-nucleotide exchange factor activity; calcium ion binding; guanyl-nucleotide exchange factor activity

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