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Recombinant Human LINGO2 Fc-Fusion Protein

Cat No: Pr00240-10.9

Product Summary

Description: Recombinant human LINGO2 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: Human LINGO2

Fc domain: Human IgG1

Structure / Form: Disulfide-linked homodimer

Species: Human

Construct Design Note(s): The extracellular domain of LINGO2 has been fused to the Fc domain of human IgG1.

Host: HEK293

UniProt Accession Number: Q7L985

Alternative Description: Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 2, Leucine-rich repeat neuronal protein 3, Leucine-rich repeat neuronal protein 6C; LINGO2-Ig; LINGO2-Fc chimera; LINGO2 (Fc tag)

Published Application(s):

Tested Applications(s):

Activity: LINGO2 is a leucine rich repeat and immunoglobulin containing protein, demonstrated to play a role in the structural plasticity and integrity of dopaminergic neurons. Variants of LINGO2 have been associated with essential tremor and Parkinson's disease [PMID: 20369371, PMID: 21287203, PMID: 22123311].

Product Form

Purification: IMAC purified

Supplied in: 0.1 mg size: PBS with preservative (0.02% Proclin 300), 1 mg size: PBS only.

Endotoxin: <1.0 EU/mg

Shipping: The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

Storage Recommendation: Store at 4°C for up to 1 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

SDS PAGE Purity: >95%, as determined by SDS-PAGE and visualized by Coomassie Brilliant Blue.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals

Fc-Fusion Sequence (monomer)

GSTIGCPARCECSAQNKSVSCHRRRLIAIPEGIPIETKILDLSKNRLKSVNPEEFISYPLLEEIDLSDNIIANVEPGAFNNLF
NLRSLRLKGNRLKLVPLGVFTGLSNLTKLDISENKIVILLDYMFQDLHNLKSLEVGDNLDLVYISHRAFSGLLSLEQLTLEKC
NLTAVPTEALSHLRSLISLHLKHLNINMPVYAFKRLFHLKHLEIDYWPLLDMMPPANSYGLNLTSLSVTNTNLSTVPFLAF
KHLVYLTHLNLSYNPISTIEAGMFSDLIRLQELHIVGAQLRTIEPHSFQGLRFLRVLNVSQNLLETLEENVFSSPRALEVLS
INNNPLACDCRLLWILQRQPTLQFGGQQPMCAAGPDTIRERSFKDFHSTALSFYFTCKKPKIREKKLQHLLVDEGQTVQL
ECSADGDPQPVISWVTPRRRFITTKSNGRATVLGDGTLEIRFAQDQDSGMVYCIASNAAGNDTFTASLTVKGFASDRFL
YANRTPMYMTDSNDTISNGTNANTFSLDLKILVSTGGGGSGGGGSGGGGSEPKSQDKTHTCPPCPAPELLGGPSVF
LFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPV
LDSGDSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGHHHHHH

Underlined amino acids sequence include a G4S linker and 6xHis epitope tag, respectively.

Calculated Molecular weight (dimer): 173543.24 Da

Extinction coefficient: 142130 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).

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