

Recombinant Human ERLEC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ERLEC1-1463H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ERLEC1 MS Standard C13 and N15-labeled recombinant protein (NP_056516) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a resident endoplasmic reticulum (ER) protein that functions in N-glycan recognition. This protein is thought to be involved in ER-associated degradation via its interaction with the membrane-associated ubiquitin ligase complex. It also functions as a regulator of multiple cellular stress-response pathways in a manner that promotes metastatic cell survival. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 21.
Molecular Mass	54.9 kDa
AA Sequence	MEEGGGGVRSLLVPGGPVLLVLCGLLEASGGGRALPQLSDDIPFRVNWPWGTEFSLPT TGVLYKEDNYVIMTTAHKEKYKCILPLVTSGDEEEEKDYKGPNPRELLEPLFKQSSC SYRIESYWTYEVCHGKHIRQYHEEKETGQKINIHEYLLGNMLAKNLLFEKEREAEK EKSNEIPTKNIEGQMTPIYPVGMGNGTPCSLKQNRPRSSTVMYICHPEKHEILSVA EVTTCHEYEVVILTPLLCSHPKYRFRASPVNDIFCQSLPGSPFKPLTLRQLEQQEILRV PFRRNKEEDLQSTKEERFPAIHKSIAIGSQPVLTVGTTTHISKLTDQLIKEFLSGSYCF

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RGGVGWWKYEFQYGHVHQYHEDKDSGKTSVVVGVTWNQEEHIEWAKKNTARAY
 HLQDDGTQTVRMVSHFYGNGDICDITDKPRQVTVKLKCKESDSPHAVTVYMLEPHS
 CQYILGVESPVICKILDTADENGLLSLPNTRTRPLEQKLISEEDLAANDILDYKDDDDK
 V

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [ERLEC1 endoplasmic reticulum lectin 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [ERLEC1](#)

Synonyms ERLEC1; endoplasmic reticulum lectin 1; C2orf30, chromosome 2 open reading frame 30; CL25084; ERLECTIN; erlectin 1; XTP3 B; XTP3TPB; ER lectin; XTP3-transactivated protein B; XTP3-transactivated gene B protein; cancer invasion and metastasis-related; CIM; XTP3-B; C2orf30; CL24936;

Gene ID [27248](#)

mRNA Refseq [NM_015701](#)

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Protein Refseq NP_056516

MIM 611229

UniProt ID Q96DZ1

SDS-PAGE



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