

Recombinant Human XPO1, GST-tagged

Cat. No. XPO1-3754H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human XPO1(1 a.a. - 1071 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene mediates leucine-rich nuclear export signal (NES)-dependent protein transport. Exportin 1 specifically inhibits the nuclear export of Rev and U snRNAs. It is involved in the control of several cellular processes by controlling the localization of cyclin B, MPAK, and MAPKAP kinase 2. This protein also regulates NFAT and AP-1.
Molecular Mass	143.55 kDa
AA Sequence	MPAIMTMLADHAARQLLDIFSQKLDINLLDNVNVNCLYHGEGAQQRMAQEVLTHLKEH PDAWTRVDTILEFSQNMNT KY YGLQILENVIKTRWKILPRNQCEGIKKYVVGLIIKTSS DPTCVEKEKVYIGKLNMLVQILKQEWPKHWPTFI SDIVGASRTSESPCQNNMVLK LLSEEVDFSSGQITQVSKHLKDSMCNEFSQIFQLCQFVMENSQNAPLVHAT LETL LRFLNWIPLGYIFETKLISTLIYKFLNVPMFRNVSLKCLTEIAGVSVSQYEEQFVTLFTL TMMQLKQMLPL NTNIRLAYSNGKDDEQNFQNLSLFLCTFLKEHDQLIEKRLNLRRETL MEALHYMLLVSEVEETEIFKICLEYWNH LAAELYRESPFSTSASPLLSGSQHFVPP RRQLYLPMLFKVRLLMVSRMAKPEEVLVENDQGEVVREFMKD TDS INLYKNMRE TLVYLTHLDYVDTERIMTEKLNQVNGTEWSWKNLNTLCWAIGSISGAMHEEDEKR

 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

FLVTVIKDLL GLCEQKRGKDNKAIIASNIMYIVGQYPRFLRAHWKFLKTVVNLFEFM
 HETHDGVQDMACDTFIKIAQKCRHFV QVQVGEVMPFIDEILNNINTIICDLQPQQVH
 TFYEAVGYMIGAQTDQTVQEHLIEKYMLLPNQVWDSIIQQATKN VDILKDPETVKQL
 GSILKTNVRACKAVGHPFVIQLGRIYLDMLNVYKCLSENISAAIQANGEMVTKQPLIRS
 MRT VKRETLKLISGWVSRSDNPQMVAENFVPPLLDAVLIDYQRNVPAAREPEVLST
 MAIIVNKLGGHITAEIPQIFDA VFECTLMINKDFEYPEHRTNFFLLLQAVNSHCFFA
 FLAIPPTQFKLVLDSIIWAFKHTMRNVADTGLQILFTL LQNVAQEEAAAQSFYQTYFC
 DILQHIFSVVTDTSHTAGLTMHASILAYMFNLVEEGKISTSLNPGNPVNNQIFLQ EYV
 ANLLKSAFPHLQDAQVKLFVTGLFSLNQDIPAFKEHLRDFLVQIKEFAGEDTSDLFLE
 EREIALRQADEEKH KRQMSVPGIFNPHEIPEEMCD

Applications ELISA; WB-Re; AP; Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [XPO1 exportin 1 \[Homo sapiens \(human\) \]](#)

Official Symbol XPO1

Synonyms XPO1; exportin 1 (CRM1 homolog, yeast); exportin 1 (CRM1, yeast, homolog); exportin-1; CRM1; emb; CRM1, yeast, homolog; chromosome region maintenance 1 protein homolog; exportin-1 (required for chromosome region maintenance); exp1; DKFZp686B1823

Gene ID [7514](#)

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mRNA Refseq	NM_003400
Protein Refseq	NP_003391
MIM	602559
UniProt ID	O14980
Chromosome Location	2p15
Pathway	Canonical NF-kappaB pathway; Cyclin A/B1 associated events during G2/M transition; Downregulation of TGF-beta receptor signaling
Function	nucleocytoplasmic transporter activity; protein domain specific binding; protein transporter activity

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