

Recombinant Full Length Human XPO1 Protein, GST-tagged

Cat. No. XPO1-551HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human XPO1(1 a.a. - 1071 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1071 amino acids
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	MPAIMTMLAD HAARQLLDFS QKLDINLLDN VVNCLYHGEG AQRMAQEV LTHLKEHPDAW TRVDITLEFS QNMNTKYYGL QILENVIKTR WKILPRNQCE GIKKYVVGLI IKTSSDPTCV EKEKVYIGKL NMVLVQILKQ EWPKHWPTFI SDIVGASRTS ESPCQNNMVI LKLLSEEVFD FSSGQITQVK SKHLKDSMCN EFSQIFQLCQ FVMENSQNAP LVHATLETLL RFLNWIPLGY IFETKLISTL IYKFLNVPMF RNVSLKCLTE IAGVSVSQYE EQFVTLFTLT MMQLKQMLPL NTNIRLAYSN GKDDEQNFIQ NLSLFLCTFL KEHDQLIEKR LNLRETLMEA LHYMLLVSEV EETEIFKICL EYWNHLAAEL YRESPFSTSA SPLLSGSQHF

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DVPPRRQLYL PMLFKVRLLM VSRMAKPEEV LVVENDQGEV VREFMKD TDS
 INLYKNMRET LVYLTHLDYV DTERIMTEKL HNQVNGTEWS WKNLNTLCWA
 IGSISGAMHE EDEKRFLVTV IKDLLGLCEQ KRGKDNKAI ASNIMYIVGQ
 YPRFLRAHWK FLKTVVNKLF EFMHETHDGV QDMACDTFIK IAQKCRRHFV
 QVQVGEVMPF IDEILNNINT IICDLQPQQV HTFYEA VGYM IGAQTDQTVQ
 EHLIEKYMLL PNQVWDSIIQ QATKNVDILK DPETVKQLGS ILKTNVRACK
 AVGHPFVIQL GRIYLDMLNV YKCLSENISA AIQANGEMVT KQPLIRSMRT
 VKRETLKLIS GWVSRSDNPQ MVAENFVPL LDAVLIDYQR NVPAAREPEV
 LSTMAIIVNK LGGHITAEIP QIFDAVFECT LNMINKDFEE YPEHRTNFFL
 LLQAVNSHCF PAFLAIPPTQ FKLVLDSIIW AFKHTMRNVA DTGLQILFTL
 LQNVAQEEAA AQSFYQTYFC DILQHIFSVV TDTSH TAGLT MHASILAYMF
 NLVEEGKIST SLNPGNPVNN QIFLQEYVAN LLKSAFPHLQ DAQVKLFVTG
 LFSLNQDIPA FKEHLRDFLV QIKEFAGEDT SDFLEEREI ALRQADEEKH
 KRQMSVPGIF NPHEIPEEMC D

Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80 centigrade. 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 [<i>Homo sapiens</i> (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;

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DKFZp686B1823	
Gene ID	7514
mRNA Refseq	NM_003400
Protein Refseq	NP_003391
MIM	602559
UniProt ID	O14980

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