

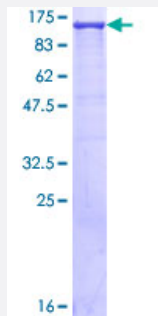
Full-Length

XPO1 (Human) Recombinant Protein (P01)

Catalog # H00007514-P01

Size 2 ug

Applications



Specification

Product Description

Human XPO1 full-length ORF (AAH32847.1, 1 a.a. - 1071 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPAIMTMLADHAARQLLDFSQKLDINLLDNVNCLYHGEGAQQRMAQEVLTHLKEHPDAWTRVD
TILEFSQNMNTKYGLQILENVIKTRWKILPRNQCEGIKKYVVGIIKTSSDPTCVEKEKVYIGKLNMTVL
VQILKQEWPKHWPTFISDIVGASRTSESPCQNNMVILKLLSEEVDFSSGQITQVSKHLKDSMCN
EFSQIFQLCQFVMENSQNAPLVHATLETLLRFLNWIPLGIFETKLITLTKFLNVPMFRNVSLKCLT
EAGVSVSQYEEQFVTLFTLTMMQLKQMLPLNTNIRLAYSNGKDDEQNFIQNLSLFLCTFLKEHDQL
IEKRLNLRETLMEALHYMLLVSEVEETEIFKICLEYWNHLAAELYRESPFSTSASPLLSGSQHFDVP
PRRQLYLPMLFKVRLLMVSMAKPEEVLVVENDQGEVREFMKDTSINLYKNMRETLVYLTHLD
YVDERIMTEKLHNQVNGTEWSWKNLNTLCWAIGSISGAMHEEDEKRFLVTVIKDLLGLCEQKRG
KDNKAIASNIMYVGGYPRFLRAHWKFLKTVVKNLFEFMHETHDGVQDMACDTFIKIAQKCRRHFV
QQVQGEVMPFIDEILNNINTIICDLQPQQVHTFYEAAGYMIGAQTQTVQEHLIEKYMLLPNQVWDSII
QQATKNVDILKDPETVKQLGSILKTNVRACKAVGHPFVIQLGRYLDMLNVYKCLSENISAAIQANGE
MVTQKPLIRSMRTVKRETLKLISGWVSRNDPQMVAENFVPPLDAVLIDYQRNVPAAREPEVLS
TMAIVNKLGGHITAEIPQIFDAVFECTLNMINKDFEEYPEHRTNFFLLQAVNSHCFFAFLAIPPTQF
KLVLDSIMAFKHTMRNVADTGLQILFTLLQNVAQEEAAQSFYQTYFCILQHIFSVVTDTSHTAGL
TMHASILAYMFNLVEEGKISTSLNPGNPVNNQIFLQEYVANLLKSAFPHLQDAQVKLFVTGLFSLNQ
DIPAFKEHLRDFLVQIKEFAGEDTSDLFLEEREIALRQADEEEKHKRQMSVPGIFNPHEIPEEMCD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

143.55

Interspecies Antigen Sequence	Mouse (98); Rat (98)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — XPO1

Entrez GeneID	7514
GeneBank Accession#	BC032847
Protein Accession#	AAH32847.1
Gene Name	XPO1
Gene Alias	CRM1, DKFZp686B1823
Gene Description	exportin 1 (CRM1 homolog, yeast)
Omim ID	602559
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

CRM1, yeast, homolog|Exportin-1 (required for chromosome region maintenance)|exportin 1|exportin 1 (CRM1, yeast, homolog)

Publication Reference

- [Sumoylation regulates nuclear localization of Kruppel-like factor 5.](#)

Du JX, Bialkowska AB, McConnell BB, Yang VW.

The Journal of Biological Chemistry 2008 Sep; 283(46):31991.

Application: PI, WB, Recombinant protein