Integrator Complex Subunit 12 (INTS12) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Integrator complex subunit 12 (INTS12), Recombinant Protein
Full Product Name	Recombinant Human Integrator complex subunit 12 (INTS12)
Product Gene Name	INTS12 recombinant protein
Product Synonym Gene Name	INTS12
Sequence	MAATVNLELD PIFLKALGFL HSKSKDSAEK LKALLDESLA RGIDSSYRPS QKDVEPPKIS STKNISIKQE PKISSSLPSG NNNGKVLTTE KVKKEAEKRP ADKMKSDITE GVDIPKKPRL EKPETQSSPI TVQSSKDLPM ADLSSFEETS ADDFAMEMGL ACVVCRQMMV ASGNQLVECQ ECHNLYHRDC HKPQVTDKEA NDPRLVWYCA RCTRQMKRMA QKTQKPPQKP APAVVSVTPA VKDPLVKKPE TKLKQETTFL AFKRTEVKTS TVISGNSSSA SVSSSVTSGL TGWAAFAAKT SSAGPSTAKL SSTTQNNTGK PATSSANQKP VGLTGLATSS KGGIGSKIGS NNSTTPTVPL KPPPPLTLGK TGLSRSVSCD NVSKVGLPSP SSLVPGSSSQ LSGNGNSGTS GPSGSTTSKT TSESSSSPSA SLKGPTSQES QLNAMKRLQM VKKKAAQKKL KK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	48,808 Da
Sequence Positions	1-462, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	611355
3D Structure	ModBase 3D Structure for Q96CB8
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for INTS12 recombinant protein	MBS1304424 is a recombinant protein targeting INTS12. Also known as Recombinant Human Integrator complex subunit 12 (INTS12). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of INTS12 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for INTS12. It may not necessarily be applicable to this product.

NCBI GI #	215599585
NCBI GeneID	57117
NCBI Accession #	NP_001135943.1

UniProt Primary Accession #	Q96CB8
UniProt Secondary Accession #	Q3B6Z3; Q9HD71; B2RC48
UniProt Related Accession #	Q96CB8
GenBank Nucleotide #	NM_001142471.1
NCBI Official Full Name	integrator complex subunit 12
NCBI Official Synonym Full Names	integrator complex subunit 12
NCBI Official Symbol	INTS12
NCBI Official Synonym Symbols	INT12; PHF22; SBBI22
UniProt Protein Name	Integrator complex subunit 12
UniProt Synonym Protein Names	PHD finger protein 22
Protein Family	Integrator complex
UniProt Gene Name	INTS12
UniProt Synonym Gene Names	PHF22; Int12
NCBI Protein Information	integrator complex subunit 12
NCBI Summary for INTS12	INTS12 is a subunit of the Integrator complex, which associates with the C-terminal domain of RNA polymerase II large subunit (POLR2A; MIM 180660) and mediates 3-prime end processing of small nuclear RNAs U1 (RNU1; MIM 180680) and U2 (RNU2; MIM 180690) (Baillat et al., 2005 [PubMed 16239144]).[supplied by OMIM, Mar 2008]
UniProt Comments for INTS12	Component of the Integrator complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing. The Integrator complex is associated with the C-terminal domain (CTD) of RNA polymerase II largest subunit (POLR2A) and is recruited to the U1 and U2 snRNAs genes (PubMed:16239144). Mediates recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex (PubMed:23904267).
Research Articles on INTS12	**1.** INTS12 activities on a genome-wide scale
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