Tapasin (TAPBP) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tapasin (TAPBP), Recombinant Protein
Full Product Name	Recombinant Chicken Tapasin (TAPBP)
Product Gene Name	TAPBP recombinant protein
Product Synonym Gene Name	Recombinant Tapasin (TAPBP); Tapasin; TPN; TPSN; TAP-associated protein TAP-binding protein
Sequence	QFRVEDAASP PPPPAPVRCA LLEGVGRGGG LPGGGNARPA LLRFGGDAET PPEPGPEPEV TFNVSDPWGT LTPLGVPPRT PPSCELNPTN PQTGSDPWSR PLHPDARSPP TAGGQWWVAA VGTPQYGVTA LLQGGMGTEG TITAAVALAV LTHTPTLRAR VGSPIHLHCA FAAPPSSFVL EWRHQNRGAG RVLLAYDSST ARAPRAHPGA ELLLGTRDGD GVTAVTLRLA RPSPGDEGTY ICSVFLPHGH TQTVLQLHVF EPPKVTLSPK NLVVAPGTSA ELRCHVSGFY PLDVTVTWQR RAGGSGTSQS PRDTVMDSWT SGHRQAADGT YSRTAAARLI PARPQHHGDI YSCVVTHTAL AKPMRVSVRL LLAGTEGPHL EDITGLFLVA FVLCGLIRWL YPKAARPKEE TKKSQ
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	45,456 Da
Sequence Positions	16-430
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.
3D Structure	ModBase 3D Structure for O73895
Species	Gallus gallus (Chicken)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TAPBP recombinant protein	MBS1072487 is a recombinant protein targeting TAPBP. Also known as Recombinant Chicken Tapasin (TAPBP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. TAPBP; B-TAPBPL
Other Notes	Small volumes of TAPBP 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 TAPBP. It may not necessarily be applicable to this product.

NCBI GI #	13124600
NCBI Accession #	O73895.2
UniProt Primary Accession #	O73895
UniProt Secondary Accession #	O73886; O73887; O93604
NCBI Official Full Name	Tapasin

UniProt Protein Name	Tapasin
UniProt Synonym Protein Names	TAP-associated protein; TAP-binding protein
Protein Family	Tapasin
UniProt Gene Name	TAPBP
UniProt Synonym Gene Names	B-TAPBPL; TPN; TPSN
UniProt Entry Name	TPSN_CHICK
UniProt Comments for TAPBP	Function: Involved in the association of MHC class I with transporter associated with antigen processing (TAP) and in the assembly of MHC class I with peptide (peptide loading) By similarity. Subunit structure: Interacts with TAP1 and is thus a subunit of the TAP complex. Interaction with TAP1 is TAP2 independent and is required for efficient peptide-TAP interaction. Obligatory mediator for the interaction between newly assembled MHC class I molecules, clareticulin, ERp57 and TAP. Up to 4 MHC class I/tapasin complexes bind to 1 TAP By similarity. Subcellular location: Endoplasmic reticulum membrane; Single-pass type I membrane protein Probable. Domain: The N-terminus is required for efficient association with MHC class I molecule and for a stable interaction between MHC I and calreticulin. Binding to TAP is mediated by the C-terminus region By similarity. Sequence similarities: Contains 1 Ig-like C1-type (immunoglobulin-like) domain.
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