

Major Histocompatibility Complex Class I B Recombinant Protein | MHCb recombinant protein

Recombinant Major Histocompatibility Complex Class I B (MHCb)

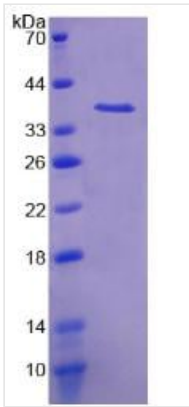
CATALOG # AAA144039	HOST Host: E ColiSource: Prokaryotic expression	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Major Histocompatibility Complex Class I B; Recombinant Major Histocompatibility Complex Class I B (MHCb); MHCb recombinant protein

PRODUCT SPECIFICATIONS

Host	Host: E Coli Source: Prokaryotic expression
Purity/Purification	>95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Concentration	5.9 (varies by lot)
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag, its sequence is listed below. MGSSHHHH HHSSGLVPRG SHMASMTGGQ QMGRGSEF-S HSMRYFYTSV SRPGRGEPRF ISVGYYDDTQ FVRFDSDAAS PREEPRAPWI EQEGPEYWDR NTQIYKAQAG TDRESLRNLR GYYNQSEAGS HTLQSMYGC VGPDRLLRG HDQYAYDGKD YIALNEDLRS WTAADTAAQI TQRKWEAARE AEQRRAYLEG ECVEWLRRL ENGKDKLERA DPPKTHVTHH PISDHEATLR CWALGFYPAE ITLTWQRDGE DQTQDTELVE TRPAGDRFTQ KWAAVVPSG EEQRYTCHVQ HEGLPKPLTL RWEPSSTV PIV
Sequence Length	362
Applicable Applications for MHCb recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	36.7kDa
Accurate Molecular Mass (KD)	37kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	two N-terminal Tags, His-tag and T7-tag
Organism Species	Homo sapiens (Human)
Fragment	Ser26~Val309
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Sequence

SHSMR YFYTSVSRPG RGEPRFISVG
YVDDTQFVRF DSDAASPREE PRAPHIEQEG PEYMDRNTQI YKAQAQTDRE
SLRNLRGYYN QSEAGSHTLQ SHYGCDEVGD GRLLRGHDQY AYDGKDYIAL
NEDLRSWTAA DTAAQITQRK WEAAREAEQR RAYLEGECEVE WLRRLYLENGK
DKLERADPPK THVTHHPISD HEATLRCHWAL GFYPAEITLT WQRDGEDQTQ
DTELVEVTRPA GDRTFQKWAA VVVPSGEEQR YTCHVQHEGL PKPLTLRWEF
SSQSTVPVIV

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	17986001
NCBI GeneID	3106
NCBI Accession #	NP_005505.2
NCBI GenBank Nucleotide #	NM_005514.6
Molecular Weight	40,460 Da
NCBI Official Full Name	major histocompatibility complex, class I, B
NCBI Official Synonym Full Names	major histocompatibility complex, class I, B
NCBI Official Symbol	HLA-B
NCBI Official Synonym Symbols	AS; HLAB; SPDA1
NCBI Protein Information	major histocompatibility complex, class I, B
UniProt Protein Name	HLA class I histocompatibility antigen, B-7 alpha chain
UniProt Gene Name	HLA-B
UniProt Synonym Gene Names	HLAB
UniProt Entry Name	1B07_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.