

Recombinant Human CIITA Protein, GST-tagged

Cat. No. CIITA-5313H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MHC2TA partial ORF (NP_000237, 39 a.a. - 148 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>This gene encodes a protein with an acidic transcriptional activation domain, 4 LRRs (leucine-rich repeats) and a GTP binding domain. The protein is located in the nucleus and acts as a positive regulator of class II major histocompatibility complex gene transcription, and is referred to as the "master control factor" for the expression of these genes. The protein also binds GTP and uses GTP binding to facilitate its own transport into the nucleus. Once in the nucleus it does not bind DNA but rather uses an intrinsic acetyltransferase (AT) activity to act in a coactivator-like fashion. Mutations in this gene have been associated with bare lymphocyte syndrome type II (also known as hereditary MHC class II deficiency or HLA class II-deficient combined immunodeficiency), increased susceptibility to rheumatoid arthritis, multiple sclerosis, and possibly myocardial infarction. [provided by RefSeq]</p>
Molecular Mass	37.84 kDa
AA Sequence	NSDADPLCLYHFYDQMDLAGEEEIELYSEPDTDTINCDQFSRLLCDMEGDEETREAY ANIAELDQYVFQDSQLEGLSKDIFKHIGPDEVIGESMEMPAEVGQKSQKRPF
Applications	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes	Best use within three months from the date of receipt of this protein.
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	CIITA class II, major histocompatibility complex, transactivator [Homo sapiens]
Official Symbol	CIITA
Synonyms	CIITA; class II, major histocompatibility complex, transactivator; MHC class II transactivator , MHC2TA; MHC class II transactivator; C2TA; NLR family; acid domain containing; NLRA; nucleotide binding oligomerization domain; leucine rich repeat and acid domain containing; NLR family, acid domain containing; MHC class II transactivator type III; nucleotide-binding oligomerization domain, leucine rich repeat and acid domain containing; MHC2TA; CIITAIV;
Gene ID	4261
mRNA Refseq	NM_000246
Protein Refseq	NP_000237
MIM	600005

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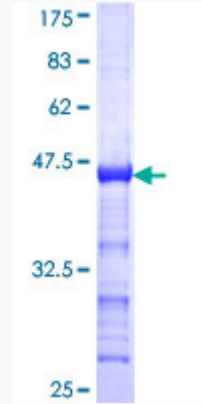
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UniProt ID

P33076

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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