

T cell receptor alpha constant (TRAC) Recombinant Protein | TRAC recombinant protein

Recombinant Human T cell receptor alpha constant (TRAC)

CATALOG # AAA113614	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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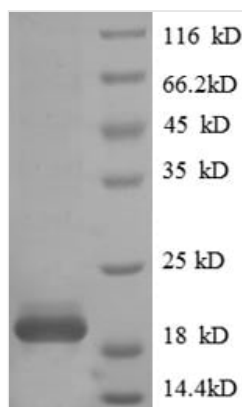
PRODUCT SYNONYMS

T cell receptor alpha constant (TRAC); Recombinant Human T cell receptor alpha constant (TRAC); TRAC recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-142aa; Full Length Protein;
Sequence	PNIQNPDPAV YQLRDSKSSD KSVCLFTDFD SQTNVSQSKD SDVYITDKTV LDMRSMDFKS NSAVAWSNKS DFACANAFNN SIIPEDTFFP SPESSCDVKL VEKSFETDTN LNFQNLSVIG FRILLKLVAG FNLLMTLRLW SS
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for TRAC recombinant protein	Immunology
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References	The chromosomal location of T-cell receptor genes and a T cell rearranging gene possible correlation with specific translocations in human T cell leukaemia.Rabbitts T.H., Lefranc M.P., Stinson M.A., Sims J.E., Schroder J., Steinmetz M., Spurr N.L., Solomon E., Goodfellow P.N.EMBO J. 4:1461-1465(1985) Analysis of cDNA clones specific for human T cells and the alpha and beta chains of the T-cell receptor heterodimer from a human T-cell line.Yanagi Y., Chan A., Chin B., Minden M., Mak T.W.Proc. Natl. Acad. Sci. U.S.A. 82:3430-3434(1985) Mass-spectrometric identification and relative quantification of N-linked cell surface glycoproteins.Wollscheid B., Bausch-Fluck D., Henderson C., O'Brien R., Bibel M., Schiess R., Aebersold R., Watts J.D.Nat. Biotechnol. 27:378-386(2009) Mutation in the TCRalpha subunit constant gene (TRAC) leads to a human immunodeficiency disorder characterized by a lack of TCRalphabeta+ T cells.Morgan N.V., Goddard S., Cardno T.S., McDonald D., Rahman F., Barge D., Ciupek A., Straatman-Iwanowska A., Pasha S., Guckian M., Anderson G., Huissoon A., Cant A., Tate W.P., Hambleton S., Maher E.R.J. Clin. Invest. 121:695-702(2011) The 1.5 Å crystal structure of a highly selected antiviral T cell receptor provides evidence for a structural basis of immunodominance.Kjer-Nielsen L., Clements C.S., Brooks A.G., Purcell A.W., McCluskey J., Rossjohn J.Structure 10:1521-1532(2002) A structural basis for immunodominant human T cell receptor recognition.Stewart-Jones G.B.E., McMichael A.J., Bell J.I., Stuart D.I., Jones E.Y.Nat. Immunol. 4:657-663(2003) Structure of a human autoimmune TCR bound to a myelin basic protein self-peptide and a multiple sclerosis-associated MHC class II molecule.Li Y., Huang Y., Lue J., Quandt J.A., Martin R., Mariuzza R.A.EMBO J. 24:2968-2979(2005)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	135511
NCBI GeneID	28755
UniProt Accession #	P01848
Molecular Weight	17.9 kDa
NCBI Official Full Name	T-cell receptor alpha chain C region
NCBI Official Synonym Full Names	T-cell receptor alpha constant
NCBI Official Symbol	TRAC
NCBI Official Synonym Symbols	TRA; IMD7; TCRA; TRCA
UniProt Protein Name	T-cell receptor alpha chain C region
UniProt Gene Name	TRAC
UniProt Synonym Gene Names	TCRA
UniProt Entry Name	TCA_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.