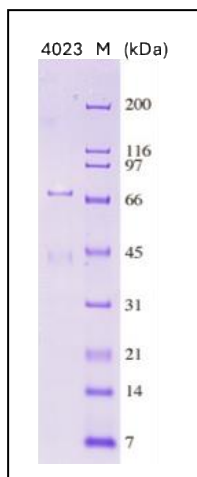


Recombinant GST-TR α 1 Protein

Catalog Number	Size
AG4023-10	10ug
AG4023-25	25ug
AG4023-B	Bulk

Description

The recombinant GST-TR α 1 protein was expressed in E coli and purified by the combination of glutathione Sepharose affinity column and other conventional chromatographic methods. The resulted protein contains 669 amino acids with a GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 75kDa.



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MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGI
EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA
WPLQGWQATF GGDHPPKSD LVPRGSPMGH MGSSPSLRSG SVGGAMSPSL
VPRGSPMGH EQKPSKVECG SDPEENSARS PDGKRKRKNG QCSLKTSMMSG
YIPSYLDKDE QCVVCGDKAT GYHYRCITCE GCKGFFRRTI QKNLHPTYSC
KYDSCCVIDK ITRNQCQLCR FKKCIAVGMA MDLVLDLDDSKR VAKRKLIEQN
RERRRKEEMI RSLQQRPEPT PEEWDLIHIA TEAHRSTNAQ GSHWKQRRKF
LPDDIGQSPI VSM PDGDKVD LEAFSEFTKI ITPAITRVVD FAKKLPMFSE
LPCEDQIILL KGCCMEIMSL RAAVRYDPES DTLTLSGEMA VKREQLKNGG
LGVVSDAIFE LGKSLSAFNL DDTEVALLQA VLLMSTDRSG LLCVDKIEKS
QEAYLLAFEH YVNRKHNIP HFWPKLLMKV TDLRMIGACH ASRFLHMKVE
CPTELFPPLF LEVFEDQEV-

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Accession Number

NM_003250

Molecular Mass

Approximately 75kDa.

Purity

 $\geq 90\%$, as determined by SDS-PAGE.

Biological Activity

Thyroid Hormone Receptor α 1 (TR α 1) is a nuclear hormone receptor for triiodothyronine mediating the biological activities of thyroid hormone. The recombinant GST-TR α 1 protein is suitable for the studies of transcription assays, protein-protein/protein-ligand interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. **(Avoid repeated freeze-thaw cycle)**

FOR RESEARCH USE ONLY!!!