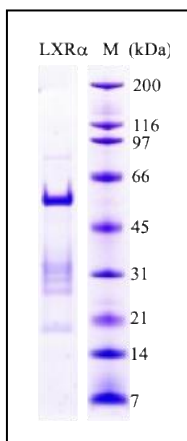


Recombinant LXR α Protein

Catalog Number	Size
AG1045-10	10ug
AG1045-25	25ug
AG1045-B	Bulk

Description

The of human liver X receptor alpha (LXR α) was expressed in the E coli expression system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 466 amino acids (19+447) with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 55kDa.



MGSSHHHHHHSSGLVPRGSHMSLWLGAPVPDIPPDSAVELWKPGAQDASSQ
AQQGSSCILREEARMPHSAGGTAGVGLEAAEPTALLTRAEPPEPTEIRPQ
KRKKGPAKMLGNELCVSGDKASGFHYNVLSCEGCKGFFRRSVIKGAHYI
CHSGGHCPMDTYMRRKCQECRLRKCRQAGMREECVLSEEQIRLKKLKRQEE
EQAHATSLPPRASSPPQILPQLSPEQLGMIEKLVAQQQCNRRSFSDRLRV
TPWPMAPDPHSREARQQRFHFTELAIIVSVQEIVDFAKQLPGFLQLSREDQ
IALLKTS AIEVMLLETSSRYNPGSEITFLKDFSYNREDFAKAGLQVEFIN
PIFEFSRAMNELQLNDAEFALLIAISIFSADRPNVQDQLQVERLQHTYVEA
LHAYVSIHHPHDRMLMFPRLMKLVSLRTLSSVHSEQVFALRLQDKKLPLL
SEIWDVHE-

Accession Number

NM_005693

Molecular Mass

Approximately 55kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The LXR α functions as a heterodimer with RXR regulating expression of target genes containing retinoid response elements. The recombinant LXR α protein can be used 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!!!