



Product Data Sheet

Product Name: TIF2 (740-753), Transcriptional Intermediary Factor 2 (740-753)
Catalog Number: AS-61992 (1 mg) **Lot Number:** See label on vial
Sequence: H-Lys-Glu-Asn-Ala-Leu-Leu-Arg-Tyr-Leu-Leu-Asp-Lys-Asp-Asp-OH
(3-letter code)
KENALLRYLLDKDD (1-letter code)
Molecular Weight: 1706.9
% Peak Area by HPLC: ≥ 95
Appearance: Lyophilized white powder

Peptide Reconstitution: Using H₂O, reconstitute by adding 100 µl to 1 mg TIF2 peptide.

Storage: TIF2 peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at –20°C or lower. Reconstituted peptide can be aliquoted and stored at –20°C or lower.

Description: This peptide is a nuclear receptor (NR) box B3 region of the p160 co-activator Transcriptional Intermediary Factor 2 (TIF2) peptide, a LXXLL motif. The activation function 2/ligand-dependent interaction between nuclear receptors and their co-regulators is mediated by a short consensus motif nuclear receptor box. Wärnmark, A., et al. *J. Biol. Chem.* **277**, 21862 (2002).

Additional Information: *Listed below are relevant information that may provide a guideline on how to use this product. End users will have to adapt to their own specific applications.*

Both TIF2 and NCoR peptides were obtained from AnaSpec Inc. SPR binding surfaces were prepared by immobilizing approximately 300–400 RU of biotinylated coactivator (TIF2) or corepressor (NCoR-ID2) peptides on NeutrAvidin charged CM4 chips. Solution competition experiments were performed by incubating a range of TIF2 or NCoR-ID2 peptide concentrations with 200 nM GR-LBD(F602S) bound with Dexamethasone or RU-486. These reaction mixtures were then injected over immobilized TIF2 and NCoR-ID2 surfaces at a flow rate of 30 µL/min until equilibrium was reached-[Kroe, RR. et al. *Biophys. Chem.* **128**, 156 \(2007\).](#)

Published Citations:

Kroe, RR. et al. *Biophys. Chem.* **128**, 156 (2007).

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